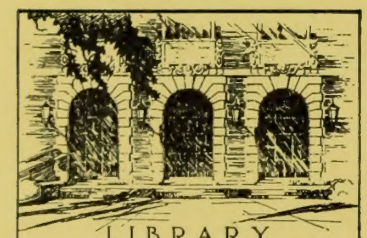

A Handbook for Agricultural Students and Their Advisers

University of Illinois College of Agriculture

October 1947

ACA359

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Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program and graduate. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way just aren't going any place. They have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."1/

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944

Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Personnel Bureau administers and interprets tests and counsels students on personal problems.

2. The faculty adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to give him all possible assistance.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program can be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to the new freshman without consultation because the freshman usually is not acquainted with members of the staff. After the first year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should contact the Associate Dean.

3. The instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities.

4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.

5. The offices and personnel headed by the Dean of Students, including the Dean of Men, the Dean of Women, the Health Service, and the Director of Residence Halls and Student Housing, are ready to serve all students, particularly with relation to problems outside the area of formal education.

Curricula as Educational Programs

The College of Agriculture has, excluding Home Economics, five curricula leading to degrees and two pre-professional curricula leading, at the end of two years, to entrance upon professional training in other colleges. The four-year curricula are:

1. General Agriculture
2. Dairy Technology
3. Floriculture
4. Food Technology
5. Vocational Agriculture

The two-year pre-professional curricula are:

1. Preforestry
2. Preveterinary

These curricula are educational programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of professional education

3. The basic sciences and, for some fields, mathematics

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. It is suggested that the student use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be done before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

For the recommended time sequence and a statement concerning the work for which the curriculum furnishes appropriate training, refer to the University of Illinois Register. The Register also contains course descriptions.

With the exception of the curriculum in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in general agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training

in agriculture. This is true of a majority of agricultural employments. The general curriculum allows a wide range of individual choice in course selections. Group 1, consisting of 21 semester hours, may be filled with any courses taught in the College of Agriculture. If all are selected in one field or department, the student will have acquired a major in that field. Group 2 allows a broad selection of courses in the social studies or humanities. Another group designated as "open electives" may include any courses in the University not otherwise required, or courses transferred from other institutions that cannot be substituted for specific or group requirements of the curriculum. Some should use these hours to build additional foundations in science and mathematics, some to increase their breadth of training in general education, and still others to take courses in commerce, journalism, etc. Agricultural courses other than those prescribed and additional to Group 1 may also be counted as open electives.

Suggested majors have been worked out for several fields in which graduates have found satisfactory employment. Others can be designed with the help of faculty advisers familiar with the particular field. Those majors which have been approved by the College Committee on Courses and Curricula are included following the curriculum sheet for General Agriculture. As presented, the recommended courses included in each major are in addition to the prescribed courses and can be used in Group 1, Group 2, or as open electives.

TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940[a]

Occupational groups	1930 Number replying to questionnaire	1930 Percent of all persons replying	1940 Number replying to questionnaire	1940 Percent of all persons replying
Educational workers				
College teachers	163	7.8	131	7.8
College administrators	6	.3	9	.5
Directors of extension	2	.1	11	.7
Extension specialists	33	1.1	43	2.6
County agents	108	5.0	97	5.8
High-school teachers	278	13.3	291	17.2
Coaches	9	.4	5	.3
Professional technicians				
Agronomists	29	1.4	76	4.5
Bacteriologists	1	0	6	.4
Chemists	24	1.2	16	1.0
Economists	14	.7	18	1.1
Engineers	33	1.6	24	1.4
Entomologists	13	.6	8	.5
Horticulturists	14	.7	5	.3
Statisticians	0	0	6	.4
Zoologists	0	0	2	.1
U.S.D.A. officials	14	.7	23	1.4
Farm Security Administration supervisors	0	0	49	2.9
Foresters	5	.2	0	0
Subprofessional technicians				
Inspectors	12	.6	19	1.1
Butter and ice-cream makers	3	.1	5	.3
Herdsmen	2	.1	9	.5
Miscellaneous	9	.4	2	.1
Business managers and employees				
Industrial managers	99	4.8	78	4.6
Wholesale managers	39	1.9	69	4.1
Retail managers	56	2.7	28	1.7
Buyers	18	.9	11	.7
Officers	32	1.5	29	1.7
Clerks	17	.8	26	1.5
Salesmen and salesmanagers	125	6.0	52	3.1
Insurance, loan, real-estate agents				
Insurance salesmen	39	1.9	28	1.7
Real-estate salesmen	17	.8	17	1.0
Loan agents	28	1.3	26	1.5
Bank officials	20	1.0	10	.6
Appraisers	10	.5	16	1.0
Farmers				
Operators (owners, tenants)	459	22.1	240	14.3
Managers	58	2.8	48	2.9
Hands	0	0	3	.2
Others				
Florists and landscape gardeners	157	7.5	36	2.1
Hatcherymen	11	.5	5	.3
Lawyers	10	.5	8	.5
Doctors and dentists	14	.7	9	.5
Ministers	9	.4	6	.4
Soldiers	6	.3	8	.5
Public officials	19	.9	9	.5
Artists and musicians	8	.4	0	0
Journalism and advertising	51	2.4	32	1.9
Skilled tradesmen	3	.1	5	.3
Laborers	2	.1	5	.3
Unemployed	24	1.1	4	.2
Retired	2	.1	1	.1
Students	26	1.0	19	1.1
All groups	2 107	--	1 683	--

a/ The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.

UNIVERSITY OF ILLINOIS
College of Agriculture--Office of Associate Dean

Name_____ Curriculum in AGRICULTURE Date_____

	CREDIT	GRADE		CREDIT	GRADE	
Agriculture Prescribed 29 hours			Agriculture - Group 1 Minimum 21 hours			SUMMARY Group 1
Agr. Econ. 1 or 20	3					Earned_____ To be earned____
Agr. Eng. 1	3					
Agron. 1	4					
Agron. 2	5					
An. Sci. 1	3					
An. Sci. 21	3					
Da. Husb. 24a or 24b	3					A minimum of 50 hours of technical agriculture is required for the degree
Hort. 1a	3					
Hort. 1b	2					
Non-Agriculture Prescribed 49-53 hours			Non-Agriculture - Group 2 Minimum 8 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Law, Philos., Pol. Sci., Psych., Rhet., Sociol., Speech			Group 2
Accy. 1a or 12	3					Earned_____ To be earned____
Bact. 5a	3					
Bot. 5	3					
Chem. 1 or 2	5-3					
Chem. 5	5					
Chem. 32	3					
Econ. 1 or 2	5-3		Open Electives			TOTAL HOURS*
Entom. 1	3					Earned_____
Geol. 44	3					
Hyg.	2					
Mil.						
Mil.						
Mil.						
Mil.						
P. Ed.						
P. Ed.						
Rhet. 1	3					D grades*
Rhet. 2	3					
Zool. 15	4					Earned_____

* 130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

AC-174

CERTIFICATE OF ELIGIBILITY
Selective Service—Office of Assistant Dean

Name _____ Questionnaire (SS-QUESTIONNAIRE) Total _____

Institutions Represented (In Years)	Years	Years	Specializations - Group I (Medical Group)	Years	Years	Eligibility
Sup. Comp. I (or 2)	3					Group I.
Inv. Sem. I	3					Barred _____ Or in reserve _____
Alumni I	4					
Alumni II	4					
Ad. Det. I	1					
Ad. Det. II	1					
Ca. Bat. Tab or Det	1					A minimum of 30 hours of training or training with qualifications in Regular Army Reserve
Short. Ir	2					
Short. Ia	2					
Non-Qualifying Specialties			**Non-Qualifying - Group I**			
Ap. Tech			Medical O Inter. Medical			Group I
Sem. Ia or Ib	1		Pract. Med., Sur. Dent., Dent., Vet., Ir. Indl., Inv. Prim., Tab. Med., Pharm., Dental., Dental			Barred _____ Or in reserve _____
Sem. Ic	2					
Sem. Id	4					
Sem. I or	2-3		**Non Qualifying**			
Sem.	2					Still eligible
Sem. Ve	2					Barred _____
Sem.	4					
Sem.						
Sem.						
Sem.						
Sem.						
Ca. Det.						
Ca. Det.						
Short. I	2					2 years*
Short. I	2					
Sem. Ib	4					Barred _____

* The Basic, Intermediate or regular military and physical education, not required for the Degree in medical group. The student was entered the University prior to October 1, 1942, and some has [illegible]

Agricultural Marketing Major: For students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

Agricultural Courses:	Hours
Agr. Econ. 6 -- Agricultural Statistics (I)	3
Agr. Econ. 8 -- Agricultural Prices (II)	3
Agr. Econ. 30 -- Marketing Agricultural Products (I, II)	3
*Agr. Econ. 31 -- Grain Grading & Marketing (I)	3
*Agr. Econ. 36 -- Marketing Horticultural Products (I)	3
*Agr. Econ. 34 -- Marketing Dairy Products (II)	2
*Agr. Econ. 37 -- Marketing Livestock (II)	2
Agr. Econ. 14 -- Management Problems of Farmers' Cooperatives (II)	3

Non-Agricultural Courses: (Group 2 or Open Electives)	
Speech 1 -- Principles of Effective Speaking (I, II)	3
Rhetoric 10 -- Business Letter Writing (I, II)	2
B.O.O. 7 -- Salesmanship (I, II)	2
Econ. 92 -- Economics of Transportation (I, II)	3
Econ. 3 -- Money, Credit and Banking (I, II)	3
Accy. 12 -- Fundamentals of Accounting (I, II)	3
Bus. Law. 2 -- Elementary Law of Business (I, II)	3

*It is suggested that students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

****

Animal or Poultry Science Major: For students wishing to specialize in animal or poultry science, including the Federal Civil Service classification of Animal Husbandman. Students desiring to specialize in poultry science should take Animal Science 37, 38 and 39 instead of Animal Science 3 and 6 and Agr. Econ. 37.

Agricultural Courses:	Hours
Animal Science 3 -- Breeds and Market Classes of Livestock (I)	5
Animal Science 6 -- Livestock Management (II)	3
One or more of the following:	
Animal Science 25 -- Beef Production (I, II)	3
Animal Science 26 -- Pork Production (I, II)	3
Animal Science 27 -- Sheep Production (II)	3
Animal Science 33 -- Light and Heavy Horses (II)	3
Animal Science 37 -- Poultry Management (II)	3-4
Animal Science 36 -- Selection and Use of Meat (I)	2
Animal Science 41 -- Animal Genetics (II)	3
Animal Nutrition 51 -- Introduction to Animal Nutrition (II)	3
Agr. Econ. 20 -- Farm Management (I, II)	3
Agr. Econ. 37 -- Livestock Marketing (II)	2
Agronomy 8 -- Forage Crops (II)	3

Non-Agricultural Courses:	
Vet. Anatomy 1 -- Anatomy of Domestic Animals (I)	3
Vet. Path. & Hygiene 5 -- Animal Hygiene (I)	3
Vet. Physiology & Pharm. 2 -- Vet. Physiology (II)	3

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

Agricultural Courses:	Hours
*D.H. 24a -- Introduction to Dairy Production (I, II)	3
*D.H. 24b -- Introduction to Dairy Technology (I,II)	3
D.H. 2a -- Dairy Cattle Breeding and Feeding (I, II)	3
D.H. 2b -- Dairy Cattle Judging (I, II)	2
D.H. 11 -- General Dairy Bacteriology (II)	2
D.H. 17 -- Advanced Study of Dairy Breeding (II)	3
D.H. 20 -- Problems in Dairy Farming (I)	3
D.H. 25 -- Advanced Study of Dairy Cattle Feeding (II)	2
Agron. 8 -- Forage Crops (II)	3
An. Sci. 41 -- Animal Genetics (II)	3
An. Nut. 51 -- Introduction to Animal Nutrition (II)	3
Non-Agricultural Courses:	
Vet. Path. & Hygiene 5 -- Livestock Sanitation and Public Health (I)	2

*D.H. 24a and 24b are listed as alternate prescribed courses in the general agriculture curriculum. The course not taken as a prescribed course should be included as an elective.

****

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields.

Agricultural Courses:	Hours
Agr. Econ. 20 -- Farm Management (I, II)	3
Agr. Econ. 24 -- Farm Operation (I)	3
Agr. Econ. 25 -- Advanced Farm Management (I, II)	3
Agr. Econ. 26 -- Agricultural Law (I)	3
Agr. Econ. 15 -- Financing Agriculture (II)	3
Agr. Econ. 8 -- Agricultural Prices (II)	3
Agronomy 10 -- Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agr. Eng. 4 -- Farm Buildings (II)	3
Agr. Eng. 5 -- Surveying, Drainage, etc. (II)	3
An. Sci. 6 -- Livestock Management (II)	3
Da. Hus. 20 -- Problems in Dairy Farming (I)	3
Agr. Econ. 42 -- Farm Appraisals (II)	5
Agr. Econ. 7 -- Rural Sociology (II)	3
Non-Agricultural Courses:	
Rhetoric 10 -- Business Letter Writing (I, II)	2
Econ. 3 -- Money, Credit and Banking (I, II)	3
Accy. 12 -- Fundamentals of Accounting (I, II)	3

Pomology Major: For students preparing for work in fruit production and marketing.

Agricultural Courses:	Hours
Hort. 2 -- Small Fruit Culture (II)	3
Hort. 7 -- Spraying (II)	3
Hort. 8 -- Orcharding (I)	5
Hort. 44 -- Current Pomological and Vegetable Crop Literature (I, II)	2-4
Hort. 46 -- Marketing Horticultural Products (I)	3
Hort. 17 -- Plant Pathology (I)	3

Non-Agricultural Courses:	
Botany 3 -- Plant Physiology (I)	5
Bact. 5b -- Introductory Bacteriology Laboratory (I, II)	2
Entom. 1b -- Destructive and Useful Insects, Lab. (I, II)	2
Entom. 20 -- Insect Control (I)	4

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Rural Group Leadership Major: For students preparing for work in extension, 4-H and other rural youth work, rural pastorships[1/], rural social welfare work, rural recreation, rural library work, etc.

Agricultural Courses:	Hours
*Agr. Econ. 7 -- Rural Sociology (II)	3
Agr. Econ. 12 -- Rural Organizations (II)	3
Agr. Econ. 20 -- Farm Management (I, II)	3
Agr. Econ. 14 -- Management Problems of Farmers' Cooperatives (II)	3
or Agr. Econ. 30 -- Marketing Agricultural Products (I, II)	3
Agr. Eng. 24 -- Farm Home Planning (II)	2

Non-Agricultural Courses:	
*Psychology 1 -- Introduction to Psychology (I, II)	4
*Sociology 1 -- Principles of Sociology (I, II)	3
Sociology 14 -- Public Opinion (I, II)	3
Education 91 -- Education in Rural Communities (II)	2
Speech 1 -- Principles of Effective Speaking (I, II)	3
Soc. Wel. Adm. 20 -- Introduction to Social Work (I, II)	3
Economics 52 -- Fiscal System of Illinois (II)	3
*Poly. Sci. 1a -- American Government (I, II)	3

1/ Pre-theological Majors are advised to include among their electives (1) the courses marked (*); (2) at least two courses from English 12, 13, 20a and 20b; (3) at least one course from History 1a, 1b, 16a and 16b and (4) Philosophy 1 or 2. (If planning to enter a particular seminary, care should be taken to include all subjects necessary for admission.)

Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:	Hours
Agronomy 3 -- Principles of Soil Conservation (II)	3
Agronomy 7 -- Crop Production as Affected by Environment (I)	3
Agronomy 8 -- Forage Crops (II)	3
Agronomy 10 -- Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 13 -- Soil Productivity (II)	3
Agronomy 33 -- Chemistry of Fertilizers and Their Soil Reactions (I)	3
Agr. Econ. 20 -- Farm Management (I, II)	3
Agr. Econ. 25 -- Advanced Farm Management (I, II)	3
Agr. Eng. 5 -- Surveying, Drainage, etc. (II)	3
An. Science 6 -- Livestock Management (II)	3
or Da. Hus. 20 -- Problems in Dairy Farming (I)	3
Forestry 1 -- General Forestry (II)	3
Non-Agricultural Courses:	
Botany 3 -- Plant Physiology (I)	3

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Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

Agricultural Courses:	Hours
Hort. 3 -- Commercial Vegetable Production (II)	3
Hort. 17 -- Plant Pathology (I)	3
Hort. 44 -- Current Pomological and Vegetable Crop Literature (I, II)	2-4
Hort. 52 -- Vegetable Diseases (I)	3
Hort. 56 -- Growing Vegetables for Manufacturing (II)	3
Agr. Econ. 36 -- Marketing Horticultural Products (II)	3
Agronomy 22 -- Improvement of Farm Crops by Breeding (I)	3
Non-Agricultural Courses:	
Bact. 5b -- Introductory Bacteriology, Lab. (I, II)	2
Bot. 3 -- Plant Physiology (I)	3
Entom. 1a -- Destructive and Useful Insects (I, II)	3
Entom. 1b -- Destructive and Useful Insects (I, II)	2

Section 1.1 Transportation Sales: The Company Operating Co. and its Sell Transportation Sales Subsidiary Indeed Sell-by Dealing Distributed in Sequence, Sell Sales-Sell, and Sell Transportation.

Sales Sales Sales:

Section 1 -- Availability of Sell Transportation [2]..... 1
Section 2 -- Case Transactions on Contracts in Transport [2]..... 2
Section 3 -- Sales Sales Sales [2]..... 2
Section 4 -- Sales, Operating, Classification.

Sell Sales Sales of Sales [2]..... 2
Section 5 -- Sell Transaction [2]..... 2
Section 6 -- Quality of Transition Sell.

Sales Sell Sales [2]..... 2
Sec. Sales, 10 -- Sales Transport [2, 3]..... 2
Sec. Sales, 20 -- Advance Sale Transport [2, 3]..... 2
Sec. Sales, 3 -- Operating Sales, etc. [2]..... 2
Sec. Sales, 4 -- Service Transport [2]..... 2
Sec. Sales, 50 -- Sales is Sales Service [2]..... 2
Section 6 -- Sales Sales [2]..... 2

Sales Sales Sales:

Sales 1 -- Sale Sales [2]..... 2

Sales Sales

Section 1.2 Sales Sales: Sales Sales Sales for Sale in Sales, and Sales Sales -- Sales.

Sales Sales Sales:

Sales, 1 -- Transport Sales Sales [2]..... 2
Sales, 2 -- Sales Sales [2]..... 2
Sales, 3 -- Sales Sales and Sales.

Sales Sales [2, 3]..... 2-4
Sales, 30 -- Sales Sales [2]..... 2
Sales, 50 -- Sales Sales for Sales [2]..... 4
Sales, Sales, 6 -- Sales Sales Sales [2]..... 4
Sales, 7 -- Sales of Sales Sales by Sales [2]..... 4

Sales Sales Sales:

Sales, 1 -- Sales Sales Sales, [2, 3]..... 4
Sales, 2 -- Sales Sales [2]..... 4
Sales, 3 -- Sales Sales and Sales Sales [2, 3]..... 4
Sales, 4 -- Sales Sales and Sales Sales [2, 3]..... 4

FIVE-YEAR PLAN OF STUDY IN GENERAL AGRICULTURE AND AGRICULTURAL ENGINEERING
(Course outline and evaluation)

Program and requirements for options in power-machinery and structures-conservation are identical for the first three years as outlined on this sheet. Enroll in the College of Agriculture.

First Semester		Grade or Substitution	Second Semester		Grade or Substitution
Bot. 5	3		Chem. 3	4	
Math. 2	3		Math. 6a	4	
Math. 4	2		Rhet. 2	3	
Rhet. 1	3		Hort. 1b	2	
An. Sci. 1	3		Dairy Hus.24a or b	3	
Hygiene	2		P.E.	1	
P.E.	1		Mil.	1	
Mil.	1				
Total	18		Total	18	
Third Semester			**Fourth Semester**		
G.E.D. 1	4		G.E.D. 2	4	
Chem. 4	4		Accy. 1a	3	
Math. 7	5		Math. 9	3	
A.E. 7	3		A.E. 6	3	
P.E.	1		Bact. 5a	3	
Mil.	1		P.E.	1	
			Mil.	1	
Total	18		Total	18	
Fifth Semester			**Sixth Semester**		
Physics 1a	4		Physics 1b	4	
Physics 3a	1		Physics 3b	1	
Geol. 44	3		Ent. 1	3	
Hort. 1a	3		T.A.M. 1	2	
Agron. 1	4		Agron. 2	5	
An. Sci. 21	3		Econ. 2	3	
Total	18		Total	18	

Note: This outline need not be followed exactly in making semester programs, provided the courses are all taken and prerequisites are met. Approximately 106 hours to this point.

The separate options are followed in the last two years, as listed by semesters for each option. Enroll in the College of Engineering.

Power and Machinery		Grade or Substitution	Structures-Drainage		Grade or Substitution
			Seventh Semester		
T.A.M. 2	3		T.A.M. 2	3	
T.A.M. 3	3		T.A.M. 3	3	
T.A.M. 63	1		T.A.M. 63	1	
M.E. 85	3		C.E. 15	3	
M.E. 31	5		C.E. 35	2	
Agr. Electives	3		Ag. Ec. 20	3	
			Agr. Electives	3	
Total	18		Total	18	
			Eighth Semester		
M.E. 10	3		C.E. 61	4	
M.E. 40	3		T.A.M. 4	2	
Ag. Ec. 20	3		T.A.M. 64	1	
M.E. 87	3		A.E. 12	3	
Agr. Electives	6		A.E. 45	3	
			Agr. Electives	4	
Total	18		Total	17	
			Ninth Semester		
A.E. 43	3		A.E. 42	3	
M.E. 41	4		C.E. 62	3	
M.E. 89	3		C.E. 63	2	
A.E. 99	0		A.E. 99	0	
E.E. 11a	3		E.E. 4a	2	
E.E. 11b	1		E.E. 4b	1	
Agr. Elective	3		Electives	6	
Total	17		Total	17	
			Tenth Semester		
A.E. 44	3		A.E. 51	3	
A.E. 51	3		C.E. 64	5	
E.E. 12a	3		C.E. 90	2	
E.E. 12b	1		C.E. 51 (or Arch. Elective)	3	
Elective	5		Elective	3	
Total	15		Total	16	
Grand Total	174		Grand Total	174	

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Department of Forestry
University of Illinois College of Agriculture

TWO-YEAR PREFORESTRY CURRICULUM

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advance standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. The course of study is of necessity modified somewhat to meet the different requirements of the various schools. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Due to large increases in enrollment, many forestry schools have adopted rather high scholarship requirements. Students whose grades are below average in their preforestry work may be refused admittance to a forestry school. Some schools of forestry will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B.

Prescribed Courses

First Year

First semester	Hours	Second semester	Hours
Chemistry 1 or 2 -- Inorganic Chemistry	5* or 3	Rhetoric 2 -- Rhetoric and Composition	3
Rhetoric 1 -- Rhetoric and Composition	3	Mathematics 4 -- Trigonometry	2
Mathematics 3 or 2 -- Algebra	5* or 3	Geology 44 -- Agricultural Geology	3
Botany 5 -- General Botany	3	Forestry 1 -- General Forestry	3
Hygiene 5	2	General Engineering Drawing	4
Military Drill and Theory	1	Military Drill and Theory	1
Physical Education	1	Physical Education	1
Total - - - - - - - - - - - -	16 to 18	Total - - - - - - - - - - - - -	17

*Students who have had high school chemistry should take Chemistry 2 (a 3-hour course). Students who have had 1 1/2 units of high school algebra should take Mathematics 2 (a 3-hour course). It will be a distinct advantage to students planning to study forestry to take chemistry and/or 1 1/2 units of algebra in high school.

Department of Sociology
University of Illinois College of Agriculture

CO-VEAL CURRICULUM CONSTRUCTION

The objects of the co-curr preliminary curriculum is to improve rural-urban in order a school of preliminary formerly with the group' lecture problem. The preliminary curriculum problem a course efficiency statistic is that given twice the field the years at a school of formerly. The course of study is of necessary multi- that according to meet the different requirements of the various schools. Description of the preliminary curriculum requires a student of 21 years or work in addition to the University requirements in military science and physical education. Due to large increases in enrollment, many freshmen students have elected rather high preliminary requirements. Students whose grades are below average in their preliminary work may be placed additional to a freshmen school. Some schools of thought will not accept population (out-of-state) students where average in their preliminary work are below 2.

Freshmen Courses

First Year

First semester	Credits	Second semester	Credits
Military I or I — Tactics		Military I — Military and	
Tactics	1 or 2	Tactics	1
Military I — Military and		Military 2 — Tactics	1
Tactics	1	Science 10 — Agricultural Chemistry	5
Mathematics 1 or 2 — Algebra	3 or 2	Freshman 1 — General Biology	4
History 1 — General History	3	General Mathematics Analysis	4
Physical 1	1	Military Drill and Tactics	2
Military Drill and Tactics	1	Physical Education	1
Physical Education	1		
Total - - - - - - - - - - - - - - -	16 or 15	Total - - - - - - - - - - - - - - -	17

Students who have had 2 or more years of military science should take Military 2 (Tactics and Drill and 1 1/2 units of high school science should take Mathematics 1 (Algebra and General). It will be a distinct advantage to students planning to major in Sociology to take Sociology and/or 1 1/2 units of Algebra in high school.

Second Year

First semester	Hours	Second semester	Hours
Civil Engineering 15 -- General Surveying	3	Agronomy 28 -- Soils	5
Economics 2 -- Elements of Economics	3	Military Drill and Theory	1
Chemistry 5 -- Inorganic Chemistry and Qualitative Analysis	5	Physical Education	1
Military Drill and Theory	1	Electives	11
Physical Education	1		
Electives	5		
Total - - - - - - - - - - - - - -	18	Total - - - - - - - - - - - - - -	18
Electives: Botany 3 -- Plant Physiology	5	Electives: Physics 7b and 8b	5
Physics 7a and 8a	5	Zoology 1 or 15	5 or 3
		Botany 6 - Systematic	3
		Speech 1	3
		Political Science 1a	3
		Geography 14 - Meteorology	3

The choice of electives will depend upon the requirements of the particular school of forestry for which the student is preparing. Some forestry schools require a course in physics -- others do not; the same is true of speech, zoology, political science and other elective subjects. The branches of forestry in which one is interested will also influence his choice of electives, and a student expecting to stress the business and administrative aspects of the profession might well choose as electives subjects other than those indicated above. Any changes to meet the needs of individual students should be worked out in consultation with the Head of the Department of Forestry.

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6/18/46
F16 (rev.)

Part Definition	Page
Part Beginning (1) -- Chaos	1
Beginning	1
Beginning 2 -- Theory of Economic	1
Beginning 3 -- Imperial Treasury and Liquidities	2
Activity	2
Building Profit and Power	3
Current Situation	3
Elections	3
Total -	12
Elections: Beginning 1 -- Final Preparations	3
Preparations	3
Preparing Ja and Ma	3
Elections: Preparing Ja and Ma	3
Beginning 2 -- Ki	4 - 5
Beginning 3 - Ceremonial	5
Beginning 4	5
Political Balance in Ja	5
Beginning Ki - Ceremonial	5
Elections	5
Total -	34

The chain of elections will depend upon the requirements of the particular phase of Tuesday the which the attempt is projected. Then Tuesday should results a change in people -- where is Ja, the ends is free of Kawaki, Kinkaku, political alliance and other -Jamiya activities. The freedom of Tuesday is with one is interested will also influence the choice of elections, and a suitable expedition to allow the Tuesday and administrative expense of the preparation stage will become it absolutely necessary when this limits imposed above. By choosing to meet the needs or institutional expenditure should be viewed not in conformation with the need of the Department of Tuesday.

COLLEGE OF AGRICULTURE
PREVETERINARY REQUIREMENTS

TENTATIVE
(Revised 9-26-46)

A minimum of 60 semester credit hours of work on the college level is required of all students prior to entrance upon the veterinary curriculum. These shall include the following:

Chemistry (including organic and quantitative analysis)	16 hours
Biological Science (including botany and general zoology)	8 "
Physics (including laboratory)	8 "
Rhetoric	6 "
Dairy Husbandry	2 "
Group A electives: languages, literature, speech, history, philosophy, religion, psychology, arts or fine arts	8 "
Group B electives: sociology, economics, geography, political science, agricultural economics	8 "
Free electives	4 "
Total	60 "

For students taking their preveterinary work at the University of Illinois the following curriculum is suggested.

First Year			
Inorg. Chem. (Chem. 1 or 2)	5 or 3	Inorg. Chem. & Qual. Anal.(Chem.5)	5
Rhetoric (Rhet. 1)	3	Rhetoric (Rhet. 2)	3
General Zoology (Zool. 1)	5	Plane Trigonometry (Math.4 or 4a)	2 or 3
Elective in Group A	4	Elective in Group A	4
Military Science	1	Military Science	1
Physical Education	1	Physical Education	1
		Hygiene	2
	17 or 19		18 or 19

Second Year			
Quant. Anal. (Chem. 22)	5	Organic Chemistry (Chem. 33)	5
Physics (Phys. 7a & 8a)	5	Physics (Phys. 7b & 8b)	5
Elective in Group B	4	Elective in Group B	4
Dairy Husbandry 24a	3	Botany (Bot. 5)	3
Military Science	1	Military Science	1
Physical Education	1	Physical Education	1
	19		19

Veterans' Credits. For veterans of 90 days' or more service in the armed forces, credit may be allowed for the courses in military science, physical education and hygiene, which are required of all non-veteran students.

Transfer of Credits. Preveterinary work may be taken at any approved college. Students planning to take this work at another institution are advised to make certain that all their credits will be accepted at the University of Illinois.

Grade requirements. The College of Veterinary Medicine may refuse admission to applicants with a preveterinary grade average below 3.5 or its equivalent as determined by the University of Illinois for institutions using a different grading system.

Enrollment Limitations. If the number of applicants who meet the scholastic requirements exceeds the number that can be accepted, a committee on admissions of the faculty of the College of Veterinary Medicine will select those to be admitted.

Preferences. The committee on admissions will give preference to candidates who are residents of Illinois and to those having farm experience. The available evidence bearing on the applicant's character and fitness will also be given consideration.

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UNIVERSITY OF ILLINOIS
College of Agriculture--Office of Associate Dean

Curriculum in DAIRY TECHNOLOGY Date Name

Prescribed Courses	Hours	Grade
Accy. 1a or 1e	3-2	
Chem. 1 or 2	5-3	
Chem. 5	5	
Chem. 33	5	
Da. Husb. 1	3	
Da. Husb. 4	3	
Da. Husb. 7	3	
Da. Husb. 8	3	
Da. Husb. 9	2	
Da. Husb. 11	2	
Da. Husb. 12	2	
Da. Husb. 14	3	
Da. Husb. 22	3	
Da. Husb. 24a	3	
Da. Husb. 24b	3	
Econ. 1	5	
Hyg.	2	
Math. 3	5	
Math. 4	2	
Mil.	$\frac{1}{2},\frac{1}{2}$	
Mil.	$\frac{1}{2},\frac{1}{2}$	
Mil.	$\frac{1}{2},\frac{1}{2}$	
Mil.	$\frac{1}{2},\frac{1}{2}$	
P. Ed.	1,1	
P. Ed.	1,1	
Physics 7a	4	
Physics 8a	1	
Physics 7b	4	
Physics 8b	1	
Rhet. 1	3	
Rhet. 2	3	
Open Electives		

Group 1—A minimum of 15 hours in courses offered by the College of Agriculture other than those prescribed

Hours	Grade

Group 2—Minimum 8 hours selected from Engl., For. Lang., Geog., Hist., L. Arch., Phil., Pol. Sci., Psych., Rhet., Sociol., Speech

Group 3—Minimum 10 hours in addition to prescribed courses to be selected from courses offered in Chem., Physics, Math., Bact., Accy., Econ., B.O.O.

Suggested Courses

Chem. 22	5		Econ. 3	3	
Chem. 50	5		Econ. 10	3	
Physics 15	3		Econ. 43	3	
Phys. 44a-b	3,3		Econ. 51	3	
Math. 6a	4		Econ. 61	3	
Math. 8a	3		B.O.O. 2	3	
Math. 8b	3		B.O.O. 7	2	
Bact. 5a-b	3-2		B.O.O. 8	3	
Bact. 8	5		B. Law 2	3	
Bact. 10	2				
Accy. 1b	3				
Accy. 2a	3				
Accy. 2b	3				

SUMMARY

Group 1
Earned_____
To be earned___

Group 2
Earned_____
To be earned___

Group 3
Earned_____
To be earned___

TOTAL HOURS*_____

D grades*_____

* 130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. Not more than 1/4 of the hours counted toward graduation may be of D grade.

ACA230

UNIVERSITY OF ILLINOIS
College of Agriculture—Office of Associate Dean

Name — Curriculum in FLORICULTURE — Date

Prescribed Courses	CREDIT	GRADE	Group 2	CREDIT	GRADE	SUMMARY
			Minimum 4 hours selected			Group 2
Accy. 1a	3		from: Engl., For. Lang.,			
Accy. 1b	3		Geog., Hist., L. Arch.,			Earned _____
			Philos., Pol. Sci., Psych.,			To be earned ____
Agron. 28	5		Rhet., Sociol., Speech			
Bot. 3	5					
Bot. 5	3					
Bot. 6	3					
Bot. 7	3					
Chem. 1 or 2	5-3		Open Electives			TOTAL HOURS*
Chem. 5	5					
						Earned _____
Econ. 2	3					
Entom. 1a - 1b	3-2					
Geol. 44	3					
Hort. 5	3					
Hort. 15a	3					
Hort. 15b	3					
Hort. 15c	3					
Hort. 30	3					
Hort. 31	3					
Hort. 32a	3					
Hort. 32b	3					
Hort. 43	3					
Hort. 45	3					
L. Arch. 51	3					
L. Arch. 52	3					
L. Arch. 64	3					
Rhet. 1	3					
Rhet. 2	3					
Hyg.	2					
Mil.						
Mil.						
Mil.						
Mil.						D grades*
P. Ed.						Earned _____
P. Ed.						

* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. Not more than 1/4 of the hours counted toward graduation may be of D grade.

ACA158

COLLEGE OF AGRICULTURE

CURRICULUM IN FOOD TECHNOLOGY

For the Degree of Bachelor of Science in Food Technology

This curriculum is for students who wish to prepare for employment in the food industries. By appropriate choice of electives and, where possible, by summer employment in selected industries, the individual may fit himself for entrance to and advancement in one of numerous technical or business phases of the food industries.

Requirements	Semester Hours
Prescribed courses as listed below: 90 to 92 semester hours for men, or 86 to 88 semester hours for women	86 to 92
Group I electives, technical agriculture courses, listed below:	25
Group II electives, humanities and social studies listed below:	8
Group III electives, technical and business courses other than agriculture:	5
Free electives:	0 to 6
Total required for graduation:	130

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Math. 3, Algebra 1/	5	Math. 4, Plane Trignometry a/	2
Rhet. 1, Rhetoric and Composition	3	Rhet. 2, Rhetoric and Composition	3
Chem. 1 or 2, General Chemistry	5 or 3	Chem. 5, Inorganic and Qualitative Chemistry	5
Botany 5, for Students in Agriculture	3	Zool. 15, Animal Biology	4
Physical Education	1	Physical Education	1
Military Science	1	Military Science	1
		Hygiene 5, Hygiene and Sanitation	2
Total	16 or 18	Total	18

Second Year

Chem. 22, Quantitative Chemistry	5	Chem. 33, Organic Chemistry-	5
Physics 7a and 8a, General Physics (Mechanics, Sound, and Heat)	5	Physics 7b and 8b, General Physics (Light, Electricity, and Magnetism)	5
Bact. 5a and 5b, Introductory Bacteriology	5	Economics 2, Elements of Economics	3
Physical Education	1	Physical Education	1
Military Science	1	Military Science	1
		Electives	3
Total	17	Total	18

a/ The student planning to take advance work in chemistry may substitute Mathematics 10a-10b for the Mathematics 3 and 5 requirement.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Chem. 50, Biochemistry	5	Chem. 29b, Food Analysis	5
Agr. Econ. 30, Marketing of Agricultural Products	3	Bact. 8, Food and Applied Bacteriology	5
Accy. 12, Fundamentals of Accounting	3	Home Economics 41, Problems in Nutrition	3
Electives	5	Electives	3
Total	16	Total	16

Fourth Year

Electives	16	Electives	16
Total	16	Total	16

The minimum number of elective hours must be selected from the following three groups as indicated:

Group I. Minimum 25 hours to be selected from the following courses, and such additional courses as may be provided in this group.

Agr. Econ. 31 (Same as Agron. 14) - Grain grading and marketing	3
Agr. Econ. 34 - Marketing dairy products	2
Agr. Econ. 36 - Marketing horticultural products	3
Agr. Econ. 37 - Marketing livestock and meats	3
An. Sci. 36 - Meats	2
An. Sci. 10 - Slaughtering and processing	3
An. Sci. 24 - Meat grading	3
Bact. 9 - Bacterial nutrition and vitamin assays	3
Da. Husb. 1 - Chemical control methods for dairy plants	3
Da. Husb. 5 - Composition of dairy products	3
Da. Husb. 10 - Advanced dairy bacteriology	4
Da. Husb. 11 - General dairy bacteriology (Milk sanitation)	2
Da. Husb. 12 - General dairy bacteriology (Contamination and Control)	2
Da. Mfgr. - All courses listed in this curriculum not required in the curriculum in Food Technology	
Home Econ. 63 - Experimental foods	3
Hort. 56 - Growing vegetables for manufacture	3

Group II. Minimum 8 hours to be selected from courses in economics, English, foreign language, geography, history, philosophy, political science, psychology, sociology, speech.

Group III. Minimum 5 hours to be selected from courses not otherwise required or listed in Group I among the following: bacteriology, botany, business organization and operation, chemistry, engineering, mathematics, physics.

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ACA 357

UNIVERSITY OF ILLINOIS
College of Agriculture--Office of Associate Dean

Curriculum in
VOCATIONAL AGRICULTURE

Name Date

	CREDIT	GRADE
Agriculture Prescribed (52 hrs.)		
Agr. Econ. 1	3	
Agr. Econ. 20	3	
Agr. Econ. 30	3	
(9 hrs. selected from the following)		
Agr. Eng. 2	3	
Agr. Eng. 3	3	
Agr. Eng. 4	3	
Agr. Eng. 5	3	
Agr. Eng. 21 a/	3	
Agron. 1	4	
Agron. 2	5	
(3 hrs. selected from the following)		
Agron. 7,8,10,11,13, 22,33,or 34	3	
An. Sci. 1	3	
An. Sci. 21	3	
An. Sci. 6	3	
An. Sci. 37	4	
Da. Husb. 24a	3	
Da. Husb. 33	2	
Hort. 1a	3	
Hort. 1b	2	
Education Prescribed (18 hrs.)		
Ed. 1	2	
Agr. Ed. 50	5	
Agr. Ed. 51	5	
Educ. 6	3	
Educ. 25	3	
Required for Certification (except for veterans)		
Pol. Sci. 1a	3	
Hist. 3b	3	
Speech 1	3	
Additional Humanities	2	

	CREDIT	GRADE
Natural Science Prescribed (27-29 hrs.)		
Bact. 5a	3	
Bot. 5	3	
Chem. 1 or 2	5-3	
Chem. 5	5	
Entom. 1	3	
Geol. 44	3	
Psych. 1	4	
Zool. 15	4	
General Prescribed (14 hrs.)		
Hyg. 5	2	
Mil.	1	
Mil.	1	
Mil.	1	
Mil.	1	
P. Ed.	1-1	
P. Ed.	1-1	
Rhet. 1	3	
Rhet. 2	3	
Electives		

TOTAL HOURS* EARNED_____

D grades* EARNED_____

a/ Students who have had an acceptable shop course in high school should omit Agr. Eng. 21.

*134 hours, including regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

9/10/47
bc ACA272

A Handbook for Agricultural Students and Their Advisers

University of Illinois College of Agriculture

September 1948

ACA377

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Name of Student: _____

Local Address: _____, _____
(Number and Street) (Champaign or Urbana)

Home Address: _____

_____

Name of Faculty Adviser: _____

Office Address: _____ Phone _____

Office Hours: _____

Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."1/

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944

Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Personnel Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.

2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Faculty and Students.

4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.

5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, five curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. Agricultural Science
2. General Agriculture
3. Dairy Technology
4. Floriculture
5. Food Technology

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 11 to 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 18 to 20.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.

3. The basic sciences and, for some fields, mathematics.

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in agricultural science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in agricultural science and in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training

but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, and Food Technology are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Catalog for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940[a]

Occupational groups	1930 Number replying to questionnaire	1930 Percent of all persons replying	1940 Number replying to questionnaire	1940 Percent of all person. replying
Educational workers				
College teachers	163	7.8	131	7.8
College administrators	6	.3	9	.5
Directors of extension	2	.1	11	.7
Extension specialists	33	1.1	43	2.6
County agents	108	5.0	97	5.8
High-school teachers	278	13.3	291	17.2
Coaches	9	.4	5	.3
Professional technicians				
Agronomists	29	1.4	76	4.5
Bacteriologists	1	0	6	.4
Chemists	24	1.2	16	1.0
Economists	14	.7	18	1.1
Engineers	33	1.6	24	1.4
Entomologists	13	.6	8	.5
Horticulturists	14	.7	5	.3
Statisticians	0	0	6	.4
Zoologists	0	0	2	.1
U.S.D.A. officials	14	.7	23	1.4
Farm Security Administration supervisors	0	0	49	2.9
Foresters	5	.2	0	0
Subprofessional technicians				
Inspectors	12	.6	19	1.1
Butter and ice-cream makers	3	.1	5	.3
Herdsmen	2	.1	9	.5
Miscellaneous	9	.4	2	.1
Business managers and employees				
Industrial managers	99	4.8	78	4.6
Wholesale managers	39	1.9	69	4.1
Retail managers	56	2.7	28	1.7
Buyers	18	.9	11	.7
Officers	32	1.5	29	1.7
Clerks	17	.8	26	1.5
Salesmen and salesmanagers	125	6.0	52	3.1
Insurance, loan, real-estate agents				
Insurance salesmen	39	1.9	28	1.7
Real-estate salesmen	17	.8	17	1.0
Loan agents	28	1.3	26	1.5
Bank officials	20	1.0	10	.6
Appraisers	10	.5	16	1.0
Farmers				
Operators (owners, tenants)	459	22.1	240	14.3
Managers	58	2.8	48	2.9
Hands	0	0	3	.2
Others				
Florists and landscape gardeners	157	7.5	36	2.1
Hatcherymen	11	.5	5	.3
Lawyers	10	.5	8	.5
Doctors and dentists	14	.7	9	.5
Ministers	9	.4	6	.4
Soldiers	6	.3	8	.5
Public officials	19	.9	9	.5
Artists and musicians	8	.4	0	0
Journalism and advertising	51	2.4	32	1.9
Skilled tradesmen	3	.1	5	.3
Laborers	2	.1	5	.3
Unemployed	24	1.1	4	.2
Retired	2	.1	1	.1
Students	26	1.0	19	1.1
All groups	2 107	--	1 683	--

a/ The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.

Name_____

PROGRAM BY SEMESTERS

Objective_____ Curriculum_____

Use this sheet to plan your programs as far ahead as possible. Refer to the University of Illinois Catalog to determine which semester certain courses are offered

_____Semester 19__-19__ _____Semester 19__-19__

Courses I plan to take:	Hours	Courses I plan to take:	Hours
1.		2.	
3.		4.	
5.		6.	
7.		8.	

CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is for students who plan to do graduate study in agricultural fields or those who wish to engage in technical work requiring more science or mathematics than can readily be included in the "General Agriculture" curriculum. It is characterized by great flexibility and lends itself to individualized programs of study. For satisfactory results this curriculum presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and gaining assignment to a suitable adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two types of programs are provided in this curriculum:

A. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

B. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.

	A Hours	B Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	(56 hours from Groups II, III, IV, and V with a minimum of 8 hours in each group and a minimum of 40 hours in any two groups.)
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	12	
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	35	
Electives, Unrestricted	20	23
TOTAL required for graduation	130	130

Agricultural Science Curriculum

Sample program for freshman year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Math. 112(2) or 111(3)-College Algebra[1]	3 or 5	Math. 114(4)-Trigonometry[1]	2
Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3	Chem. 105(5) or 106(6)-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 102(2) or 105(5)-Hygiene and Sanitation	2	Physical Education	1
Physical Education	1	Military Science (for men)	1
Military Science (for men)	1	Electives	3 to 6
Electives	0 to 5		
Total	15 to 18	Total	15 to 18

1/ The student planning to take advanced work in chemistry may take Mathematics 117(10a)-127(10b) instead of the indicated mathematics courses.

COLLEGE OF AGRICULTURE Date_____ Name_____
Office of Associate Dean Option and field selected_____

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.
Option I--For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	credit	grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP II--Humanities (Art,music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.*

GROUP III--Social Sciences (Econ., geog., hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.*

GROUP IV--Biological Sciences (Bact.,bot., entom., physiol., zool.) Option I--Minimum of 12 hrs.; Option II--Minimum of 8 hrs.*

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 35 hrs.; Option II--Minimum of 8 hrs.*

Open Electives:

Total hrs. earned_____

*Students who select Option II must earn a total of 56 hours from Groups II, III, IV, & V with a minimum of 8 hours in each group + a minimum of 40 hours in any two groups.

130 hours, inclusive of regular Mil. & P. E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

General Agriculture Curriculum--for students in fields not requiring an intensive science foundation. This may include agricultural marketing, animal and poultry husbandry, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 will consist of all prescribed courses in agriculture except Agronomy 201 (soils).

FRESHMAN YEAR

1st semester	Sem. Hrs.	2nd semester	Sem. Hrs.
Mil. Sci. & P.E.	2	Mil. Sci. & P.E.	2
Rhet. 101(1)	3	Rhet. 102(2)	3
Hygiene	2	Chem. 102(2) or 101(1)	3 or 5
Bot. 105(5)	3	Zool. 104(15)	4
Two courses from Group 1	6	One course from Group 1	3 or 4
	16		15 - 18

SOPHOMORE YEAR

1st semester	Sem. Hrs.	2nd semester	Sem. Hrs.
Mil. Sci. & P.E.	2	Mil. Sci. & P.E.	2
Geology 105(44)	3	Agron. 201(2)	5
Chem. 132(32)	3	Econ. 108(2)	3
Three courses from Group 1	9	Two courses from Group 1	6
	17		16

Group 1--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

Courses	Sem. hrs. required
Agr. Econ. 100(1)1/	3
Agr. Eng. 101(1)	3
Agronomy 121(1)	4
An. Sci. 101(1) and 102(21)	6
Da. Husb. 100(24a)	3
Horticulture 161(1a)	3
Forestry 101(1) or 102(2), or Hort. 142(1b)	2 or 3
	24 - 25

Group 2--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

A total of 130 hours, including 50 in the College of Agriculture, is required for graduation.

1/ Students entering as juniors or seniors should substitute Agr. Econ. 120 (20) or Agr. Econ. 130 (30) for Agr. Econ. 100 (1).

7/19/48h1

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade
Agr. Econ. (1) 100	3	
Agr. Eng. (1) 101	3	
Agronomy (1) 121	4	
Agronomy (2) 201	5	
An. Sci. (1) 101	3	
An. Sci. (21) 102	3	
Da. Prod. (24a) 100	3	
Hort. (1a) 161	3	
Forestry (1 or 2) 101 or 102 or Hort. (1b) 142	3-2	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

NON-AGRICULTURE PRESCRIBED:		
Botany (5) 105	3	
Chemistry (1 or 2) 101 or 102	5-3	
Chemistry (32) 132	3	
Economics (2) 108	3	
Geology (44) 105	3	
Hygiene	2	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Zoology (15) 104	4	
Military		
Military		
Military		
Military		
P.E.		
P.E.		
P.E.		
P.E.		

HUMANITIES AND SOCIAL STUDIES--Minimum of 12 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

	credit	grade

Earned:

To be earned:

OPEN ELECTIVES:

TOTAL HOURS:

D grades:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

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Majors for Students in the General Agriculture Curriculum

Animal or Poultry Science Major: Students majoring in Animal Science should elect 20 semester hours, in addition to 101 (1) and 102 (2), from courses in Animal Science (including Animal Nutrition). Such a major will prepare a student for the Federal Civil Service Classification of Animal Husbandman. Students desiring to specialize in poultry science should take Animal Science 207 (38) and 304 (37) instead of Animal Science 103 (3) and 201 (6) and Agr. Econ. 332 (37).

Agricultural Courses:		Hours
*Animal Science (3)	103--Breeds and Market Classes of Livestock (I)	5
Animal Science (36)	104--Selection and Use of Meat (I)	2
Animal Science (6)	201--Livestock Management (II)	3
One or more of the following:		
Animal Science (33)	206--Light and Heavy Horses (II)	3
Animal Science (25)	301--Beef Production (I, II)	3
Animal Science (27)	302--Sheep Production (II)	3
Animal Science (26)	303--Pork Production (I, II)	3
Animal Science (37)	304--Poultry Management (II)	3-4
*Animal Science (41)	305--Animal Genetics (II)	3
*Animal Nutrition (51)	301--Introduction to Animal Nutrition (II)	3
Agr. Econ. (20)	120--Farm Management (I, II)	3
Agr. Econ. (37)	332--Marketing Livestock (II)	2
Agronomy (8)	322--Forage Crops (II)	3
*Agriculture (16)	216--Experimental and Biological Statistics (I, II)	3

Other Courses:		
Vet. Anatomy (1)	101--Anatomy of Domestic Animals (I)	3
Vet. Path. & Hygiene (5)	105--Animal Hygiene (I)	3
Vet. Physiology & Pharm. (2)	102--Physiology of Domestic Animals (II)	3

* Required in Agricultural Science Curriculum for major in Animal Science. Other courses to be selected after consultation with adviser.

Majors for Students in the General Agriculture Curriculum

Dairy Production Major: This major is for students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection and management of dairy cattle.

Agricultural Courses:		Hours
Da. Prod. (2b)	104--Dairy Cattle Judging (I, II)	2
Da. Prod. (2a)	201--Reproduction, Genetics and Improvement of Dairy Cattle (I)	3
Da. Prod. (2a)	202--Dairy Cattle Feeding (II)	3
Da. Prod. (20)	311--Problems in Dairy Farming (I)	3
Da. Prod. (11)	150--General Dairy Bacteriology (II)	2
Da. Prod. (12)	151--General Dairy Bacteriology (II)	3
Da. Prod. (34)	334--Marketing Dairy Products (II)	2
Agronomy (8)	322--Forage Crops (II)	3

Other Courses:

Vet. Path. & Hygiene (5)	105--Livestock Sanitation and Public Health (I)	3
Vet. Phy. & Pharm. (2)	102--Vet. Physiology (II)	3
Bact. (5a) 104 & (5b)	105--Introductory Bacteriology (I, II)	5

Farm Management and Farm Finance Major: This major is for students interested in preparing for work in the farm management and farm credit fields.

Agricultural Courses:		Hours
Agr. Econ. (20)	120--Farm Management (I, II)	3
Agr. Econ. (24)	224--Farm Operation (II)	3
Agr. Econ. (25)	325--Advanced Farm Management (I)	3
Agr. Econ. (26)	203--Agricultural Law (I)	3
Agr. Econ. (15)	302--Financing Agriculture (II)	3
Agr. Econ. (8)	342--Agricultural Prices (II)	3
Agronomy (10)	301--Genesis, Morphology, Classification and Geography of Soils (II)	3
Agronomy (8)	322--Forage Crops (II)	3
Agr. Eng. (4)	272--Farm Buildings (II)	3
Agr. Eng. (5)	252--Surveying, Drainage, etc. (II)	3
An. Sci. (6)	201--Livestock Management (II)	3
Da. Prod. (20)	311--Problems in Dairy Farming (I)	3
Agr. Econ. (42)	312--Farm Appraisals (II)	5
Agr. Econ. (7)	277--Rural Sociology (II)	3

Other Courses:

Rhetoric (10)	151--Business Letter Writing (I, II)	2
Economics (3)	250--Money, Credit and Banking (I, II)	3
Accy. (12)	201--Fundamentals of Accounting (I, II)	3

Majors for Students in the General Agriculture Curriculum

Agricultural Marketing Major: This major is for students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

Agricultural Courses:			Hours
Agr. Econ.	(6)	341--Agricultural Statistics (I)	3
Agr. Econ.	(8)	342--Agricultural Prices (II)	3
Agr. Econ.	(30)	130--Marketing Agricultural Products (I, II)	3
*Agr. Econ.	(31)	331--Grain Grading & Marketing (I)	3
*Agr. Econ.	(36)	333--Marketing Horticultural Products (I)	3
*Agr. Econ.	(34)	334--Marketing Dairy Products (II)	2
*Agr. Econ.	(37)	332--Marketing Livestock (II)	2

Non-Agricultural Courses: (Humanities and Social Studies or Open Electives)

Speech	(1)	101--Principles of Effective Speaking (I, II)	3
Rhetoric	(10)	151--Business Letter Writing (I, II)	2
B. O. O.	(7)	271--Salesmanship (I, II)	2
Economics	(15)	278--Consumer Economics (I, II)	3
Economics	(92)	284--Economics of Transportation (I, II)	3
Economics	(3)	250--Money, Credit and Banking (I, II)	3
Accy.	(12)	201--Fundamentals of Accounting (I, II)	3
Bus. Law	(2)	101--Elementary Law of Business (I, II)	3

* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

Majors for Students in the General Agriculture Curriculum

Farm Crops Major: This major is for students preparing for work in crop production and/or plant breeding.

Agricultural Courses:	Hours
Agronomy (7) 321--Crop Production as Affected by Environmental Factors (I)	3
Agronomy (8) 322--Forage Crops (II)	3
Agronomy (22) 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy (11) 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy (13) 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy (14) 331--Grain Grading & Marketing (I)	3
Agronomy (29) 324--Prin. of Field Plot Experimentation (I)	3
Agronomy (36) 325--Corn Breeding (II)	3
Agriculture (16) 216--Experimental & Biological Statistics (I, II)	3

Other Courses:	
Bact. (5a) 104--Introductory Bacteriology (I, II)	3
Botany (3) 130--Plant Physiology (I)	5
Botany (7) 317--Plant Pathology (I)	3
Ent. (1a & 1b) 101 & 102--Destructive & Useful Insects (I, II)	3 & 2
Math. (2 or 3) 112 or 111--College Algebra (I, II)	3 or 5
Speech (1) 101--Principles of Effective Speaking (I, II)	3

Majors for Students in General Agriculture Curriculum

Soil Conservation Major: This major is for students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:	Hours
Agronomy (3) 307--Principles of Soil Conservation (II)	3
Agronomy (7) 321--Crop Production as Affected by Environment (I)	3
Agronomy (8) 322--Forage Crops (II)	3
Agronomy (10) 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy (11) 302--Microorganisms in Soil Fertility (I)	3
Agronomy (13) 303--Soil Productivity (II)	3
Agronomy (33) 306--Chemistry of Fertilizers and Their Soil Reactions (I)	3
Agr. Econ. (20) 120--Farm Management (I, II)	3
Agr. Econ. (25) 325--Advanced Farm Management (I, II)	3
Agr. Eng. (5) 252--Surveying, Drainage, etc. (II)	3
An. Sci. (6) 201--Livestock Management (II)	3
or Da. Prod. (20) 311--Problems in Dairy Farming (I)	3
Forestry (1) 101--General Forestry (II)	3

Other Courses:

Bact. (5a & 5b) 104 & 105--Introductory Bacteriology (I,II)	5
Botany (3) 130--Plant Physiology (I)	3
Entom. (1a & 1b) 101 & 102--Destructive and Useful Insects (I, II)	5

Majors for Students in General Agriculture Curriculum

Vegetable Crops Major: This major is for students preparing for work in vegetable crop production or marketing.

Agricultural Courses:	Hours
Hort. (3) 242--Commercial Vegetable Production (II)	3
Hort. (17) 317--Plant Pathology (I)	3
Hort. (44) 361 & 362--Current Pomological and Vegetable Crop Literature (I, II)	2-4
Hort. (52) 308--Vegetable Diseases (I)	3
Hort. (56) 346--Growing Vegetables for Manufacturing (II)	3
Agr. Econ. (36) 333--Marketing Horticultural Products (II)	3
Agronomy (22) 323--Improvement of Farm Crops by Breeding (I)	3
Hort. (12) 382--Improvement of Horticultural Crops by Breeding (II)	3
Hort. (new) 343--Structure and Classification of Vegetable Crop Plants (I, alternate years)	3
Hort. (new) 345--Growth and Development of Vegetable Crops (I, alternate years)	4

Other Courses:

Bact.	(5a & 5b) 104 & 105--Introductory Bacteriology with Lab. (I, II)	5
Bot.	(3) 130--Plant Physiology (I)	3
Entom.	(1a & 1b) 101 & 102--Destructive and Useful Insects (I, II)	5

Majors for Students in the General Agriculture Curriculum

Pomology Major: This major is for students preparing for work in fruit production and marketing.

Agricultural Courses:		Hours
Horticulture	(2) 162--Small Fruit Culture (II)	3
Horticulture	(7) 204--Spraying (II)	3
Horticulture	(8) 263--Orcharding (I)	5
Horticulture	(44) 301 & 302--Current Pomological and Vegetable Crop Literature (I, II)	2-4
Agr. Econ.	(46) 333--Marketing Horticultural Products (I)	3
Horticulture	(17) 317--Plant Pathology (I)	3
Horticulture	(12) 382--Improvement of Horticultural Crops by Breeding (II)	3

Other Courses:		
Botany	(3) 130--Plant Physiology (I)	5
Bact.	(5a & 5b) 104 & 105--Introductory Bacteriology With Laboratory (I, II)	5
Entom.	(1a & 1b) 101 & 102--Destructive and Useful Insects With Laboratory (I, II)	5
Entomology	(20) 319--Insect Control (I)	4

Rural Group Leadership Major: This major is for students preparing for work in extension, 4-H and other rural youth work, rural pastorships[1], rural social welfare work, rural recreation, rural library work, etc.

Agricultural Courses:		Hours
*Agr. Econ.	(7) 277--Rural Sociology (II)	3
Agr. Econ.	(12) 177--Rural Organizations (II)	3
Agr. Econ.	(20) 120--Farm Management (I, II)	3
Agr. Econ.	(30) 130--Marketing Agricultural Products (I,II)	3
Agr. Engin.	(24) 361--Farm Home Planning (II)	2

Other Courses:		
*Psychology	(1) 100--Introduction to Psychology (I, II)	4
*Sociology	(1) 100--Principles of Sociology (I, II)	3
Sociology	(14) 344--Public Opinion (I, II)	3
Speech	(1) 101--Principles of Effective Speaking(I,II)	3
Soc. Wel. Adm.	(20) 220--Introduction to Social Work (I, II)	3
Soc. Wel. Adm.	(22) 222--Social Welfare Administration (I, II)	2
Economics	(52) 216--Fiscal System of Illinois (II)	3
*Pol. Science	(1a) 150--American Government (I, II)	3
P. E. M.	(14) 211--Recreation and Social Activities(I,II)	2

1/ Pre-Theological Majors are advised to include among their electives the courses marked *; at least two courses from English (12) 113, (13) 114, (20a) 122 and (20b) 121; at least one course from History (1a) 111, (1b) 112, (16a) 353 and (16b) 354; and Philosophy (1) 101 or (2) 102. If you plan to enter a particular seminary, care should be taken to include all subjects necessary for admission.

General Agriculture Curriculum
(for the degree, Bachelor of Science in Agriculture, with major for teachers of vocational agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 105(5)-Botany for Agr. Students	3	Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3
Hygiene 102(2) or 105(5)-Hygiene and Sanitation	2	Rhet. 102(2)-Rhetoric and Composition	3
Rhet. 101(1)-Rhetoric Composition	3	Zool. 104(15)-Zoology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	16	Total	15 to 18

Second Year

Geol. 105(44)-Agricultural Geol.	3	Agron. 201(2)-Soils	5
Chem. 132(32)-Elem.Org.Chem.	3	Econ. 108(2)-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Three courses from Group 1	9	Two courses from Group 1	6
Total	17	Total	16

Third Year

Educ. 100(1)-The Am. Pub. School	2	Agr. Econ. 120(20)-Farm Mgmt.	3
Psych. 100(1)-Intro. to Psych.	4	Hist. 152(3b)-Hist. of U. S.	3
Speech 101(1)-Prin. of Effective Speaking	3	Education 109(25)-Educational Psychology	3
Agr. Eng. 111(7)-Farm Structures	3	Agricultural Electives	6 to 9
Agricultural Electives	3 to 6		
Total	15 to 18	Total	15 to 18

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-weeks period.

Agr. Educ. 276(50)-Practice Teach.	5	Pol. Sci. 150(1a)-American Govt.	3
Agr. Educ. 277(51)-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)	11-17
Educ. 240(6b)-Prin. of Secondary Education	3		
Agr. Eng. 201(21), Da. Prod. 204(33) or other Agr. Elective	2 to 3		
Total	15 to 16	Total	14 to 20

Total hours credit required for the B. S. degree 130

Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum (total 24 to 25 semester hours)[1/]

Courses	Hours	Courses	Hours
Agricultural Economics 100(1)-Introductory Agric. Economics	3	Dairy Prod. 100(24a)-Introduction to Dairy Production	3
Agricultural Engineering 101(1)-Intro. to Agric. Engineering	3	Horticulture 161(1a)-Introductory Pomology & Ornamental Gardening	3
Agronomy 121(1)-Farm Crops	4	Forestry 101(1) or 102(2), or Hort. 142(1b)-General Forestry or Farm Forestry, or Intro. to Vegetable Crops	3 or 2
Animal Science 101(1) and 102(21)-Intro. to Animal Science and Prin. of Feeding	6		

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses with Graduate credit	2	Agricultural Courses with Graduate credit	2
Educ. 409(125)-Advanced Educ. Psychology	1	Educ. 400(101)-Philos. of Educ. or Educ. 302(30)-Hist. of Am. Education	1
Electives	1	Electives	1
Total	4	Total	4

1/ Students who know that they will prepare for teaching vocational agriculture should substitute Agricultural Engineering 112(6) for Agricultural Engineering 101(1). Any student who substitutes Agricultural Engineering 112(6) for Agricultural Engineering 101(1) must also take Agricultural Engineering 111 (7). Prospective teachers may also postpone Group 1 subjects to the junior year in order to take Agricultural Engineering 111(7), Psychology 100(1), Education 100(1), or other subjects approved by the faculty adviser. Any Group 1 subject thus postponed must be taken later.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the Degree, Bachelor of Science in Agriculture, with major for teachers of vocational agriculture

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade
Agr. Econ. (1) 100	3	
Agr. Econ. (20) 120	3	
Agr. Eng. (6) 112	3	
Agr. Eng. (7) 111	3	
Agron. (1) 121	4	
Agron. (2) 201	5	
An. Sci. (1) 101	3	
An. Sci. (21) 102	3	
Da. Prod. (24a) 100	3	
Hort. (1a) 161	3	
Forestry (1 or 2) 101 or 102 or Hort. (1b) 142	3-2	
NON-AGRICULTURE PRESCRIBED:		
Botany (5) 105	3	
Chemistry (1 or 2) 101 or 102	5-3	
Chemistry (32) 132	3	
Economics (2) 108	3	
Geology (44) 105	3	
Hygiene	2	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Zoology (15) 104	4	
Military	1	
Military	1	
Military	1	
Military	1	
P.E.	1	
P.E.	1	
P.E.	1	
P.E.	1	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade
HUMANITIES & SOCIAL STUDIES PRESCRIBED:		
History (3b) 152	3	
Pol. Sci. (1a) 150	3	
Psychol. (1) 100	4	
Speech (1) 101	3	
Humanities elective	2-3	
EDUCATION COURSES PRESCRIBED:		
Education (1) 100	2	
Education (25) 109	3	
Education (6b) 240	3	
Agr. Educ. (50) 276	5	
Agr. Educ. (51) 277	5	
OPEN ELECTIVES:		

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

TOTAL HOURS EARNED:

D GRADES:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

ACA371

Dairy Technology Curriculum
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufactures.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Math. 111(3) or 112(2)-College Algebra	5 or 3	Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3
Da. Tech. 101(1)-Intro. to Da. Technology	3	Da. Prod. 100(24a)-Intro. to Dairy Prod.	3
Hygiene 105(5)-Hygiene and Sanitation	2	Math. 114(4)-Trigonometry	2
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	15 or 13	Total	15 or 13

Second Year

Bact. 104(5a) and 105(5b)-Intro. to Bacteriology	5	Dairy Prod. 180(1)-Da. Chem.	3
Chem. 105(5)-Qualitative Analysis	5	Da. Prod. 150(11)-Da. Bact.	2
Da. Techn. 103(3)-Judging of Dairy Products	1	Da. Prod. 151(12)-Da. Bact.	3
Econ. 108(2)-Elem. of Economics	3	Chem. 122(22)-Analytical, Quantitative	5
Physical Education	1	Da. Tech. 104(4)-Judging of Dairy Products	1
Military Science (for men)	1	Physical Education	1
		Military Science (for men)	1
Total	16	Total	16

Third Year

Da. Tech. 303(11)-Cheese Mfr.	3	Da. Tech. 302(12)-Butter Mfr.	3
Chem. 133(33)-Organic Chemistry	5	Da. Tech. 304(13)-Market Milk	3
Physics 101(4a)-General Physics (Mechanics, Sound, Heat)	5	Accy. 201(12)-Fundamentals of Accounting	3
Electives	5	Physics 102(4b)-General Physics (Light, Elect., Magnetism)	5
		Electives	3
Total	18	Total	17

Fourth Year

Da. Tech. 301(10)-Ice Cream Mfr.	3	Da. Tech. 306(14)-Condensed and Powdered Milk	3
Electives	15	Electives	15
Total	18	Total	18

Total hours credit required for the B. S. degree 130

Suggested Group I electives. Minimum 15 hours

Agr. Econ. 334(34)--Marketing of Dairy Products
Da. Prod. 350(10)--Advanced Dairy Bacteriology
Da. Prod. 380(5)--Advanced Dairy Chemistry
Vet. Path. and Hygiene 105(5)--Animal Hygiene
Da. Technology 308(16)--Plant Management
Da. Technology 201(15)--Special Problems
Home Econ. 120(38)--Elementary Nutrition

Suggested Group II electives. Minimum 12 hours

Rhet. 151(10)--Business Letter Writing
Speech 101(1)--Principles of Effective Speaking
Bus. Law 261(2)--Elementary Law of Business
B. O. & O. 101(2)--Marketing Organization and Operation
B. O. & O. 211(3)--Principles of Retailing
B. O. & O. 271(7)--Salesmanship
Economics 250(3)--Money, Credit, and Banking
Economics 240(41)--Labor Problems
Economics 248(43)--Personnel Administration
Pol. Sci. 150(1a) and 151(1b)--American Government
Soc. 100(1)--Principles of Sociology
Psych. 100(1)--Introduction to Psychology
French 101(1a) and 102(1b)--Elementary French
German 110(1a) and 120(1b)--Elementary German

UNIVERSITY OF ILLINOIS
College of Agriculture--Office of Associate Dean

Name_____ Curriculum in DAIRY TECHNOLOGY Date_____

Prescribed Courses	Hours	Grade
Accy. (12) 201	3	
Bact. (5a-5b) 104-105	3-2	
Chem. (1 or 2) 101 or 102	5-3	
Chem. (5) 105	5	
Chem. (22) 122	5	
Chem. (33) 133	5	
Da. Prod. (1) 180	3	
Da. Prod. (11) 150	2	
Da. Prod. (12) 151	2	
Da. Prod. (24a) 100	3	
Da. Tech. (1) 101	3	
Da. Tech. (3) 103	1	
Da. Tech. (4) 104	1	
Da. Tech. (10) 301	3	
Da. Tech. (11) 303	3	
Da. Tech. (12) 302	3	
Da. Tech. (13) 304	3	
Da. Tech. (14) 306	3	
Econ. (2) 108	3	
Math. (2 or 3) 112 or 111	3-5	
Math. (4) 114	2	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics (4a) 101	5	
Physics (4b) 102	5	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	

Group 1--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.	Hours	Grade

Group 2--Minimum of 12 hours selected from Art, Econ., Engl., For. Lang., Geog., Hist., Journ., L. Arch., Law, Music, Philos., Pol. Sci., Psych., Sociol., Speech	Hours	Grade

Open Electives	Hours	Grade

Group 1 Hours earned: _____

Hours to be earned: _____

Group 2 Hours earned: _____

Hours to be earned: _____

TOTAL HOURS EARNED: _____

D grades: _____

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

2/6/48
ACA365

Floriculture Curriculum
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. A minimum of 4 hours is required in addition to prescribed courses in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, sociology, or speech. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about $25.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3	Chem. 132(32)-Elementary Organic Chemistry	3
Hort. 121(5)-Plant Propagation	3	Rhet. 102(2)-Rhetoric & Composition	3
Rhet. 101(1)-Rhetoric & Composition	3	Entom. 101(1a) and 102(1b)-Destructive and Useful Insects	5
Botany 105(5)-Botany for Students in Agriculture	3	Physical Education	1
Hygiene 102(2) or 105(5)-Hygiene and Sanitation	2	Military Science (for men)	1
Physical Education	1	Electives	3 to 5
Military Science (for men)	1		
Total	16 to 18	Total	16 to 18

Second Year

Accy. 101(1a)-Prin. of Accounting	3	Accy. 105(1b)-Accounting Procedure	3
Bot. 130(3)-Plant Physiology	5	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Bot. 160(6)-Introductory Systematic Botany	3
Geol. 105(44)-Agricultural Geology	3	Hort. 122(15a)-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Botany 317(7)-Plant Pathology	3	Hort. 224(15c)-Commercial Floricultural Crops	3
Hort. 223(15b)-Commercial Floricultural Crops	3	Hort. 230(31)-Garden Flowers	3
Hort. 321(43)-Floricultural Physiology	3	Hort. 322(45)-Plant Nutrition	3
Land. Arch. 251(51)-Trees and Shrubs	3	Land. Arch. 252(52)-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
Total	15 to 18	Total	15 to 18

Photographers Particulars

(Use the Degree, Diploma or Defence in Photography)

This particulars is for students preparing to pass and sell Photos and other commercial photos or to be teaching and research in this field. A degree of 4 years is required in addition to prescribed courses in Photos, Fine Arts, Design, geography, history, Language Institutes, Economics, Political science, psychology, writers, musicians, or comedy. Students registered in Photography are required to sell at least one Degree Photo before graduation. The only course about 12.

First Year

Field Course	Hours	Second Semester	Hours
Chem. 101(1) or 104(1)-Chemistry Chemistry		Chem. 102(1)-Chemistry Chemistry Chemistry	3
Engl. 101(3)-Fine Arts Photography	3	Engl. 102(3)-Advanced E Composition	3
Soc. 101(1)-Sociolo E Composition Time	3	Soc. 102(1)-Sociolo E Composition Time	3
Biology 101(1)-Biology for students in Sociology	3	Biology 102(1) and 104(1)-Genetics and Plants Insects Physical Geology	3
Engl. 101(3)-Engl. or 102(3)-Engl. Composition	3	Military Science (for men) Physical Education	3
Physical Education	1		
Military Science (for men)	1		
Total	16 or 17	Total	16 or 17

Second Year

Field Course	Hours	Second Semester	Hours
Hist. 101(3)-Fine. of Photography	3	Hist. 102(3)-Photography Photography	3
Eng. 103(3)-Fine Composition	3	Eng. 104(3)-Photo	3
Chem. 103(3)-Chemistry of Photo	3	Chem. 104(3)-Photo Photography Photo Photo	3
Math. 101(4)-Geometry Geometry	4	Math. 102(4)-Physics Physics Physics	4
Biology	3	Biology 102(3)-Physics Photo	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	3 or 4	Electives	3 or 4
Total	16 or 17	Total	16 or 17

Third Year

Field Course	Hours	Second Semester	Hours
Hist. 201(3)-Fine Photography	3	Hist. 202(3)-Photo Photography	3
Eng. 201(3)-Commercial Photo Photography Photo	3	Eng. 202(3)-Photo Photo Photo Photo	3
Biology 201(3)-Photo Photo	3	Biology 202(3)-Photo Photo	3
Math. 201(3)-Photo Photo	3	Math. 202(3)-Photo Photo	3
Physical Education	1	Physical Education	1
Math. 203, 205(3)-Photo Math Photo Photo Photo Photo	3	Math. 204, 206(3)-Photo Math Photo Photo Photo Photo	3
Electives	3	Electives	3
Total	16	Total	16

Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231(32a)-Floral Decoration	3	Hort. 226(30)-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232(32b)-Floral Decoration	3
		Land.Arch. 164(64)-Apprec. of Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

NOTE: The following courses are suggested as electives which may be taken during the third or fourth year: Agronomy 323(22); Botany 322(46); Business Law 261(2); B.O.O. 101(2), 271(7), 381(8); Entomology 319(20); Horticulture 204(7), 382(12), 345; Rhetoric 151(10).

Total hours credit required for graduation 130

UNIVERSITY OF ILLINOIS
College of Agriculture--Office of Associate Dean

Name _____ Curriculum in FLORICULTURE _____ Date _____

Prescribed Courses	CREDIT	GRADE
Accy.(1a) 101	3	
Accy.(1b) 105	3	
Agron.(2) 201	5	
Bot.(3) 130	5	
Bot.(5) 105	3	
Bot.(6) 160	3	
Bot.(7) 317	3	
Chem. (1 or 2) 101 or 102	5-3	
Chem. (32) 132	3	
Econ.(2) 108	3	
Entom. (1a-1b) 101-102	3-2	
Geol. (44) 105	3	
Hort.(5) 121	3	
Hort.(15a) 122	3	
Hort.(15b) 223	3	
Hort.(15c) 224	3	
Hort.(30) 226	3	
Hort.(31) 230	3	
Hort.(32a) 231	3	
Hort.(32b) 232	3	
Hort.(43) 321	3	
Hort.(45) 322	3	
L. Arch.(51) 251	3	
L. Arch.(52) 252	3	
L. Arch.(64) 164	3	
Rhet.(1) 101	3	
Rhet.(2) 102	3	
Hyg.	2	
Mil.		
Mil.		
Mil.		
Mil.		
P. Ed.		
P. Ed.		

Group 2	CREDIT	GRADE
Minimum 4 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Philos., Pol. Sci., Psych., Rhet., Sociol., Speech		
Open Electives		

SUMMARY

Group 2

Earned _____

To be earned _____

TOTAL HOURS*

Earned _____

D grades*

Earned _____

* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering after October 1, 1947, a minimum average of 3.0 is required for graduation.

ACA158

Food Technology Curriculum
(for the degree, Bachelor of Science in Food Technology)

This curriculum is for students who wish to prepare for employment in the food industries. By appropriate choice of electives and, where possible, by summer employment in selected industries, the individual may fit himself for entrance to and advancement in one of numerous technical or business phases of the food industries.

First Year

First Semester	Hours	Second Semester	Hours
Math. 111(3)-College Algebra[1/]	5	Math. 114(4)-Plane Trigonometry[1/]	2
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic and Qualitative Chemistry	5
Botany 105(5)-Botany for Students in Agriculture	3	Zool. 104(15)-Animal Biology	4
Physical Education	1	Hygiene 105(5)-Hygiene and Sanitation	2
Military Science (for men)	1	Physical Education	1
		Military Science (for men)	1
Total	16 or 18	Total	18

Second Year

Chem. 122(22)-Quantitative Chem.	5	Chem. 133(33)-Organic Chemistry	5
Physics 101(4a)-General Physics (Mechanics, Sound, Heat)	5	Physics 102(4b)-General Physics (Light, Electricity, and Magnetism)	5
Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5	Econ. 108(2)-Elements of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
		Electives	3
Total	17	Total	18

Third Year

Chem. 350(50)-Biochemistry	5	Chem. 329(29b)-Food Analysis	5
Agr. Econ. 130(30)-Marketing of Agr. Products	3	Bact. 308(8)-Food and Applied Bacteriology	5
Accy. 201(12)-Fundamentals of Accounting	3	Home Econ. 324(41)-Principles of Human Nutrition	3
Electives	5	Electives	3
Total	16	Total	16

Fourth Year

Electives	16	Electives	16
Total	16	Total	16

The minimum number of elective hours must be selected from the following three groups as indicated:

1/ The student planning to take advanced work in chemistry may substitute Mathematics 117(10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.

Total Expenditure Distribution
(Over the Average, Deficiency of Officers in Fleet Functions)

This distribution is the minimum one also to prepare for sequence in the final determination. By supposing change of objective and, added benefit, it cannot displacement in multiple industries, the indicated one its Ellsell for an change to get expenditure is up to Indicate initial or Tribute phase is the final determination.

Initial Line

Fleet Function	Ships	Annual Increase	Class
Swed. 11[1]-Million Alumnus/	3	Ann. 1[1]-Million Tribunals/	3
Phys. 1[1]-Centers and Pneu-		Ind. 1[1]-Elements and Compo-	
ntics	7	nents	3
Chem. [1]1 or 1[1]-Elements		Chem. 1[1]-Inorganic and Meta-	
Industry	7 or 1	llurgy Quantity	
Energy 1[1]-Energy Tra		Ann. 1[1]-Annual Sizing	
ntages in Industries	1	Systems 1[1]-Systems and Quan-	
Training Elements	1	tities	3
Military Stages (for mon)	1	Training Processes	1
		Military Fighter (for mon)	1
Total	17 or 18	Total	17

Secondary Line

Chem. 1[1]1-Industry Chem.	3	Chem. 1[1]1-Chemical Industry	1
Energy 1[1]-Chemical Industry		Energy 1[1]-Energy Industry	
Industry Phys. Chem.	3	Industry Phys. Chemistry, and	
Phys. 1[1]1 and 1[1]1-1.		Energy(ies)	3
Industry or Industries	3	Phys. 1[1]-Chemical or Industries	1
Industry Industries	1	Industry Industries	1
Military Stages (for mon)	1	Military Stages (for mon)	1
		Industry	
Total	17	Total	17

Final Line

Chem. 1[1]1-Industries	3	Chem. 1[1]1-Chem Analysis	3
Ind. Chem. 1[1]1-Industries or		Chem. 1[1]1-Chem and Industries	
Ind. Industry	3	Industrial Industry	3
Phys. 1[1]1-Industries or		Chem Phys. 1[1]1-Industries	
Industry	3	or Chem Industries	3
Industries	1	Industries	1
Total	10	Total	10

Fourth Line

Military	10	Military	10
Total	10	Total	10

The minimum number of industries which must be accounted from the military fleet stages is indicated.

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[1] The minimum expenditure is with minimum cost for expenditure for industries and industrial industries 1[1]1-1[1]1-1[1]1 for the minimum industries and industrial industries.

Group I. Minimum 25 hours to be selected from the following courses, and such additional courses as may be provided in this group.

Agr. Econ. 331(31) (Same as Agron. 331(14)-Grain grading and marketing	3
Agr. Econ. 334(34)--Marketing dairy products	2
Agr. Econ. 333(36)--Marketing horticultural products	3
Agr. Econ. 332(37)--Marketing livestock and meats	3
An. Sci. 104(36)--Meats	2
An. Sci. 204(10)--Slaughtering and processing	3
An. Sci. 205(24)--Meat grading	3
Bact. 309(9)--Bacterial nutrition and vitamin assays	3
Da. Prod. 180(1)--Chemical control methods for dairy plants	3
Da. Prod. 380(5)--Composition of dairy products	3
Da. Prod. 350(10)--Advanced dairy bacteriology	4
Da. Prod. 150(11)--General dairy bacteriology (Milk sanitation)	2
Da. Prod. 151(12)--General dairy bacteriology (Contamination and control)	2
Da. Tech.--All courses listed in this curriculum not required in the curriculum in Food Technology	
Home Econ. 330(63)--Experimental foods	3
Hort. 346(56)--Growing vegetables for manufacture	3

Group II. Minimum 8 hours to be selected from courses in economics, English, foreign language, geography, history, philosophy, political science, psychology, sociology, speech.

Group III. Minimum 5 hours to be selected from courses not otherwise required or listed in Group I among the following: bacteriology, botany, business organization and operation, chemistry, engineering, mathematics, physics.

Total hours credit required for graduation 130

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:	credit	grade
Accountancy (12) 201	3	
Agr. Econ. (30) 130	3	
Bact. (5a & 5b) 104 & 105	3 & 2	
Bact. (8) 308	5	
Botany (5) 105	3	
Chem. (1 or 2) 101 or 102	5 or 3	
Chem. (5) 105	5	
Chem. (22) 122	5	
Chem. (33) 133	5	
Chem. (50) 350	5	
Chem. (29b) 329	5	
Economics (2) 108	3	
Mathematics (3) 111 1/	5	
Mathematics (4) 114 1/	2	
Home Economics (41) 324	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics (4a) 101	5	
Physics (4b) 102	5	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Zoology (15) 104	4	
OPEN ELECTIVES:		

GROUP I: A minimum of 25 hours selected from the following Agricultural courses:

	credit	grade
Agr. Econ. (31) 331	3	
Agr. Econ. (34) 334	2	
Agr. Econ. (36) 333	3	
Agr. Econ. (37) 332	3	
An. Sci. (36) 104	2	
An. Sci. (10) 204	3	
An. Sci. (24) 205	3	
Bact. (9) 309	3	
Da. Prod. (1) 180	3	
Da. Prod. (5) 380	3	
Da. Prod. (10) 350	4	
Da. Prod. (11) 150	2	
Da. Prod. (12) 151	2	
Home Economics (63) 330	3	
Horticulture (56) 346	3	
Da. Tech. (courses required in Da. Tech. curriculum)		

GROUP II: Minimum 8 hours selected from courses in econ., English, foreign lang., geog., hist., philos., pol. sci., psych., sociol., speech.

GROUP III: Minimum 5 hours selected from courses not otherwise required or listed in Group I among the following: bact., bot., B.O.&O., chem., engin., math., physics.

Total Hours

1/The student planning to take advanced work in chemistry may substitute Mathematics 117 (10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.

130 hours, inclusive of regular military and P. E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3	Rhet. 102(2)-Rhetoric and Composition	3
Rhet. 101(1)-Rhetoric Composition	3	Math. 114(4)-Trigonometry	2
Math. 111(3) or 112(2)-Algebra	5 or 3	Geol. 105(44)-Agricultural Geology	3
Bot. 105(5)-Botany for Students in Agriculture	3	Forestry 101(1)-Gen. Forestry	3
Hygiene 105(5)-Hygiene and Sanitation	2	G.E.D. 101(1)-Elements of Drawing	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	16 to 20	Total	17

Second Year

C. E.115(15)-General Surveying	3	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Physical Education	1
Chem. 105(5)-Inorganic Chemistry & Qualitative Analysis	5	Military Science (for men)	1
Physical Education	1	Electives	11
Military Science (for men)	1		
Electives	5		
Total	18	Total	18

Electives: Botany 130(3)-Plant Physiology	5	Electives: Physics 102(4b)-Gen. Physics (Light, Elect., Magnetism)	5
Physics 101(4a)-Gen. Physics (Mechanics, Sound, Heat)	5	Zool. 101(1) or 104(15)-Gen. Zoology	5 or 4
		Bot. 160(6)-Systematic	3
		Spch. 101(1)-Prin. of Effective Speaking	3
		Pol. Sci. 150(1a)-Am. Govt.	3
		Geog. 111(14)-Meteorology	3

Preliminary Six-Year Curriculum

The objects of the six-year preliminary curriculum is to provide young men who be subject a school of preliminary foreign with ten years' advanced training. The preliminary curriculum provides a course of study similar to that given the [illegible] the first ten years as a basis of training. Candidates of the preliminary curriculum requires a minimum of [illegible] years of work in addition to the [illegible] requirements in military science and physical education. Some foreign students have adopted high scholastic requirements but will not always students who do not maintain high grades. Some of them will not achieve graduation (cum-or-[illegible]) students above average in their preliminary work are [illegible] I. A student who wishes to follow this curriculum should obtain this information at least [illegible] months in advance in order to be assigned to a faculty advisor or the Department of Training. The Faculty Advisor should be consulted when the student of institution [illegible] to determine the particular school of foreign which the individual expects to enter.

First Term

Fall Semester	Hours	Second Semester	Hours
Chem. [illegible] or [illegible]-Chemistry General Chemistry	5 or 3	Math. [illegible]-Geometry and Trigonometry [illegible]	3
Chem. [illegible]-Chemistry Laboratory	1	Chem. [illegible]-Chemistry Laboratory	1
Math. [illegible] or [illegible]-Algebra	3 or 3	Math. [illegible]-Advanced Algebra	3
Eng. [illegible]-Grammar and Composition		Foreign [illegible]-Conv. Foreign	3
Ex.Arrangement	1	U.S.H. [illegible]-Summary of Foreign	3
Physical Education [illegible]-Elementary and Intermediate		Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	17 to 18	Total	17

Second Term

Fall Semester	Hours	Second Semester	Hours
U. S. History [illegible]-General Surveying	3	Engin. [illegible]-Basic	3
Math. [illegible]-Elements of Trig.	3	Physical Education	1
Chem. [illegible]-Inorganic Chemistry	3	Military Science (for men)	1
Ex. Descriptive-analysis	3	Electives	12
Physical Education	1		
Military Science (for men)	1		
Electives	4		
Total	18	Total	17

Electives: Foreign [illegible]-Chem. Physics [illegible]-Geo. Foreign [illegible]-Chem. Physics [illegible]-Geo. Foreign [illegible]-Chem. Physics [illegible]-Geo. Foreign [illegible]-Chem. Physics [illegible]-Geo. Foreign [illegible]-Chem. Physics [illegible]-Geo.

Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the agricultural science curriculum under option II. Interested students should call at Room 104 Mumford Hall for an outline of the plan.

Agricultural Engineering Curriculum
(for the degree of Bachelor of Science in Agricultural Engineering)

This curriculum is administered by the College of Engineering with the cooperation of the Department of Agricultural Engineering in the College of Agriculture. Interested students should inquire at the office of the Associate Dean, College of Engineering, 300 Engineering Hall.

Six-Year Program in Agriculture and Law

A joint six years course between the College of Agriculture and the College of Law by which a student may earn the degrees of Bachelor of Science in Agriculture and the degree of Bachelor of Civil Law in six years. In this case the student must pass successfully at or in lieu of the prescribed course in Agriculture during the first three years, after which he commences in the College of Law for the study proper. In one year he completes the agricultural course in the and of the degree course and the 1st degree of the end of the study period. This course was built in direct from the agricultural student during the Undergraduate students should not at time the required full for an medium of the years.

Agricultural Engineering Curriculum
(for the degree of Bachelor of Science in Agricultural Engineering)

This curriculum is administered by the College of Engineering with the cooperation of the Department of Agricultural Engineering in the College of Agriculture. Undergraduate students should consult by the office of the Associate Dean, College of Engineering, 204 Engineering Hall.

A Handbook for Agricultural Students and Their Advisers

By

Robert R. Hudelson, Associate Dean
C. D. Smith, Administrative Assistant

University of Illinois College of Agriculture
Urbana, Illinois

August 1949

ACA377 (Rev.)

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Name of Student: _____

Local Address: _____, _____
(Number and Street) (Champaign or Urbana)

Home Address: _____

_____

Name of Faculty Adviser: _____

Office Address: _____ Phone _____

Office Hours: _____

Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."1/

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944

Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Personnel Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.

2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Faculty and Students.

4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.

5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, six curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. Agricultural Science
2. General Agriculture
3. Dairy Technology
4. Floriculture
5. Food Technology
6. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 12 to 19. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 20 to 22.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.

3. The basic sciences and, for some fields, mathematics.

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in agricultural science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in agricultural science and in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training

but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940[a]

Occupational groups	1930 Number replying to questionnaire	1930 Percent of all persons replying	1940 Number replying to questionnaire	1940 Percent of all persons replying
Educational workers				
College teachers	163	7.8	131	7.8
College administrators	6	.3	9	.5
Directors of extension	2	.1	11	.7
Extension specialists	33	1.1	43	2.6
County agents	108	5.0	97	5.8
High-school teachers	278	13.3	291	17.2
Coaches	9	.4	5	.3
Professional technicians				
Agronomists	29	1.4	76	4.5
Bacteriologists	1	0	6	.4
Chemists	24	1.2	16	1.0
Economists	14	.7	18	1.1
Engineers	33	1.6	24	1.4
Entomologists	13	.6	8	.5
Horticulturists	14	.7	5	.3
Statisticians	0	0	6	.4
Zoologists	0	0	2	.1
U.S.D.A. officials	14	.7	23	1.4
Farm Security Administration supervisors	0	0	49	2.9
Foresters	5	.2	0	0
Subprofessional technicians				
Inspectors	12	.6	19	1.1
Butter and ice-cream makers	3	.1	5	.3
Herdsmen	2	.1	9	.5
Miscellaneous	9	.4	2	.1
Business managers and employees				
Industrial managers	99	4.8	78	4.6
Wholesale managers	39	1.9	69	4.1
Retail managers	56	2.7	28	1.7
Buyers	18	.9	11	.7
Officers	32	1.5	29	1.7
Clerks	17	.8	26	1.5
Salesmen and salesmanagers	125	6.0	52	3.1
Insurance, loan, real-estate agents				
Insurance salesmen	39	1.9	28	1.7
Real-estate salesmen	17	.8	17	1.0
Loan agents	28	1.3	26	1.5
Bank officials	20	1.0	10	.6
Appraisers	10	.5	16	1.0
Farmers				
Operators (owners, tenants)	459	22.1	240	14.3
Managers	58	2.8	48	2.9
Hands	0	0	3	.2
Others				
Florists and landscape gardeners	157	7.5	36	2.1
Hatcherymen	11	.5	5	.3
Lawyers	10	.5	8	.5
Doctors and dentists	14	.7	9	.5
Ministers	9	.4	6	.4
Soldiers	6	.3	8	.5
Public officials	19	.9	9	.5
Artists and musicians	8	.4	0	0
Journalism and advertising	51	2.4	32	1.9
Skilled tradesmen	3	.1	5	.3
Laborers	2	.1	5	.3
Unemployed	24	1.1	4	.2
Retired	2	.1	1	.1
Students	26	1.0	19	1.1
All groups	2 107	--	1 683	--

a/ The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.

Name_____

PROGRAM BY SEMESTERS

Objective_____ Curriculum_____

Use this sheet to plan your programs as far ahead as possible. Refer to the University of Illinois Undergraduate Study Bulletin to determine which semester certain courses are offered.

_____Semester 19__-19__ _____Semester 19__-19__

Courses I plan to take:	Hours	Courses I plan to take:	Hours
1.		2.	
3.		4.	
5.		6.	
7.		8.	

CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is for students who plan to do graduate study in agricultural fields or those who wish to engage in technical work requiring more science or mathematics than can readily be included in the "General Agriculture" curriculum. It is characterized by great flexibility and lends itself to individualized programs of study. For satisfactory results this curriculum presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and gaining assignment to a suitable adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.

	Option I Hours	Option II Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	(56 hours from Groups II, III, IV, and V with a minimum of 8 hours in each group and a minimum of 40 hours in any two groups.)
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	12	
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	35	
Electives, Unrestricted	20	23
TOTAL required for graduation	130	130

Agricultural Science Curriculum

Sample program for first year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Math. 112(2) or 111(3)-College Algebra[1]	3 or 5	Math. 114(4)-Plane Trigonometry[1]	2
Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106(6)-Inorganic Chemistry	5
Hygiene 102(2) or 105(5)- Personal and Environmental Hygiene	2	Physical Education	1
Physical Education	1	Military Science (for men)	1
Military Science (for men)	1	Electives	3 to 6
Electives	0 to 5		
Total	15 to 18	Total	15 to 18

1/ The student planning to take advanced work in chemistry may take Mathematics 117(10a)-127(10b) instead of the indicated mathematics courses.

COLLEGE OF AGRICULTURE Date _____ Name _____
Office of Associate Dean Option and field selected _____

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.

Option I--For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	credit	grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

	credit	grade

GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.*

	credit	grade

GROUP III--Social Sciences (Econ., geog., hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.*

	credit	grade

GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 12 hrs.; Option II--Minimum of 8 hrs.*

	credit	grade

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 35 hrs.; Option II--Minimum of 8 hrs.*

	credit	grade

Open Electives:

	credit	grade

Total hrs. earned _____

*Students who select Option II must earn a total of 56 hours from Groups II, III, IV, & V with a minimum of 8 hours in each group + a minimum of 40 hours in any two groups.

130 hours, inclusive of regular Mil. & P. E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

General Agriculture Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 consists of all prescribed courses in agriculture except Agronomy 201 (soils).

FIRST YEAR

First Semester	Hours	Second Semester	Hours
Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Rhet. 101(1)	3	Rhet. 102(2)	3
Hygiene	2	Chem. 102(2) or 101(1)	3 or 5
Bot. 105(5)	3	Zool. 104(15)	4
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	16	Total	15 to 18

SECOND YEAR

Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Geology 105(44)	3	Agron. 201(2)	5
Chem. 132(32)	3	Econ. 108(2)	3
Three courses from Group 1	9	Two courses from Group 1	6
Total	17	Total	16

THIRD AND FOURTH YEARS

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies, and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Total Required for Graduation 130

Group 1--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

Courses	Hours
Agr. Econ. 100(1)[1]--Introductory Agr. Economics	3
Agr. Eng. 101(1)--Introduction to Agr. Engineering	3
Agronomy 121(1)--Crop Production	4
An. Sci. 101(1)--Introduction to Animal Science	3
An. Sci. 102(21)--Principles of Feeding	3
Da. Sci. 100(24a)--Introduction to Dairy Production	3
Horticulture 161(1a)--Introductory Pomology and Ornamental Gardening, I	3
Forestry 101(1)--General Forestry, or Forestry 102(2)--Farm Forestry, or Hort. 142(1b)--Introduction to Vegetable Crops, II	3 or 2
	25 or 24

Group 2--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

1/ Students entering as juniors or seniors should substitute Agr. Econ. 120(20) or Agr. Econ. 130(30) for Agr. Econ. 100(1).

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade
Agr. Econ. (1) 100	3	
Agr. Eng. (1) 101	3	
Agronomy (1) 121	4	
Agronomy (2) 201	5	
An. Sci. (1) 101	3	
An. Sci. (21) 102	3	
Da. Sci. (D.P. 24a) 100	3	
Hort. (1a) 161	3	
Forestry (1 or 2) 101 or 102 or Hort. (1b) 142	3-2	
Total Hours	29-30	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

NON-AGRICULTURE PRESCRIBED:		
Botany (5) 105	3	
Chemistry (1 or 2) 101 or 102	5-3	
Chemistry (32) 132	3	
Economics (2) 108	3	
Geology (44) 105	3	
Hygiene	2	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Zoology (15) 104	4	
Military		
Military		
Military		
Military		
P.E.		
P.E.		
P.E.		
P.E.		

HUMANITIES AND SOCIAL STUDIES--Minimum of 12 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

credit	grade

Earned:

To be earned:

OPEN ELECTIVES:

TOTAL HOURS:

D grades:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

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Suggested Majors in the General Agriculture Curriculum

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science Curriculum.

Agricultural Courses:	Hours
*Animal Science 103 (3)--Breeds and Market Classes of Livestock (I)	5
Animal Science 104 (36)--Selection and Use of Meat (I)	2
Animal Science 201 (6)--Livestock Management (II)	3
One or more of the following:	
Animal Science 206 (33)--Light and Heavy Horses (II)	3
Animal Science 301 (25)--Beef Production (I, II)	3
Animal Science 302 (27)--Sheep Production (II)	3
Animal Science 303 (26)--Pork Production (I, II)	3
Animal Science 304 (37)--Poultry Management (I, II)	3-4
*Animal Science 305 (41)--Animal Genetics (II)	3
*Animal Nutrition 301 (51)--Introduction to Animal Nutrition (II)	3
Agr. Economics 120 (20)--Farm Management (I, II)	3
Agr. Economics 332 (37)--Marketing Livestock (II)	2
Agronomy 322 (8)--Forage Crops and Pastures (I, II)	3
*Agriculture 216 (16)--Experimental and Biological Statistics (I, II)	3

Other Courses:

Vet. Anatomy 101 (1)--Anatomy of Domestic Animals (I)	3
Vet. Path. & Hygiene 105 (5)--Animal Hygiene (I)	3
Vet. Physiology & Pharm. 102 (2)--Physiology of Domestic Animals (II)	3

Additional courses in Animal Science or in related subjects to be selected in individual cases after consultation with the student's adviser.

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*Required in the Agricultural Science Curriculum for a major in Animal Science.

Suggested Majors for Students in the General Agriculture Curriculum

Dairy Production Major: This major is for students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection and management of dairy cattle.

Agricultural Courses:

			Hours
Da. Sci.	(D.P. 2b)	104--Dairy Cattle Judging (I,II)	2
Da. Sci.	(D.P. 2a)	201--Reproduction, Genetics and Improvement of Dairy Cattle (I)	3
Da. Sci.	(D.P. 2a)	202--Feeding Dairy Cattle (II)	3
Da. Sci.	(D.P. 20)	311--Problems in Dairy Farming (I)	3
Da. Sci.	(D.P. 11)	150--General Dairy Bacteriology (II)	2
Da. Sci.	(D.P. 12)	151--General Dairy Bacteriology (II)	3
Da. Sci.	(D.P. 34)	334--Marketing Dairy Products (II)	3
Agronomy	(8)	322--Forage Crops and Pastures (I,II)	3

Other Courses:

Vet. Path. & Hygiene (5)	105--Animal Hygiene (I)	3
Vet. Phy. & Pharm. (2)	102--Physiology of Domestic Animals (II)	3
Bact. (5a & 5b)	104 & 105--Introductory Bacteriology (I, II)	5

Farm Crops Major: This major is for students preparing for work in crop production and/or plant breeding.

Agricultural Courses:

			Hours
Agriculture	(16)	216--Experimental and Biological Statistics (I,II)	3
Agronomy	(11)	302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy	(13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)	3
Agronomy	(7)	321--Crop Production as Affected by the Environment (I)	3
Agronomy	(8)	322--Forage Crops and Pastures (I,II)	3
Agronomy	(22)	323--Improvement of Farm Crops by Breeding (I)	3
Agronomy	(29)	324--Principles of Field Plot Experimentation (I)	3
Agronomy	(36)	325--Corn Breeding (II)	3
Agronomy	(14)	331--Grain Grading and Marketing (I)	3

Other Courses:

Bact.	(5a)	104--Introductory Bacteriology (I,II)	3
Botany	(3)	130--Plant Physiology (I,II)	5
Botany	(7)	317--Plant Pathology (I)	3
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Math.	(3 or 2)	111 or 112--Algebra or College Algebra (I,II)	5 or 3
Speech	(1)	101--Principles of Effective Speaking (I,II)	3

Suggested Library for Students in the Course: Conjunctions Particles.

Data Processing [illegible]: This section is for students particularly interested in the field of data processing with emphasis on the theory, investigation, collection and management of data bases.

Additional Course:

[illegible]	[illegible]—Early Public Debate [illegible]	[illegible]
[illegible]	[illegible]—Contemporaries, Complex and Sophisticated [illegible]	
[illegible]	[illegible]—Government of Data Bases [illegible]	
[illegible]	[illegible]—Data Protection Policy Issues [illegible]	
[illegible]	[illegible]—Privacy in Data Processing [illegible]	
[illegible]	[illegible]—Original Data Manipulation [illegible]	
[illegible]	[illegible]—Personal Data Protection [illegible]	
[illegible]	[illegible]—Information Data Products [illegible]	
[illegible]	[illegible]—Storage (from and Passage [illegible]	

Other Topics:

[illegible]	[illegible]—Personal Rights [illegible]
[illegible]	[illegible]—Protection of Property Rights [illegible]
[illegible]	[illegible]—Privacy Protection [illegible]

Data Processing: This course is for students preparing for work in area [illegible] data processing products.

Additional Course:

Anthropology [illegible]	[illegible]—Anthropological and Ethnological Variations [illegible]	[illegible]
Economics [illegible]	[illegible]—Role of Economics in [illegible] Marketing [illegible]	[illegible]
Economics [illegible]	[illegible]—Will Productivity, the Underlying, Multi-[illegible] Economics and Commerce [illegible]	[illegible]
Economics [illegible]	[illegible]—Very Production is Affected by the Infrastructure [illegible]	[illegible]
Economics [illegible]	[illegible]—Cross Cost and Benefit [illegible]	[illegible]
Economics [illegible]	[illegible]—Economics of Free Copy by Downing [illegible]	[illegible]
Economics [illegible]	[illegible]—Economics of Still Pick Specialization [illegible]	[illegible]
Economics [illegible]	[illegible]—Cost Analysis [illegible]	[illegible]
Economics [illegible]	[illegible]—Costs Pricing and Marketing [illegible]	[illegible]

Other Courses:

Music [illegible]	[illegible]—Contemporary Instrumentation [illegible]	[illegible]
History [illegible]	[illegible]—Modern Monetary [illegible]	[illegible]
Chemistry [illegible]	[illegible]—Fluorescent Spectrum [illegible]	[illegible]
Chemistry [illegible]	[illegible]—Chemistry-on Inorganic Chemistry [illegible]	[illegible]
Physics [illegible]	[illegible]—Physics of Colloidal Electrolyte [illegible]	[illegible]
Physics [illegible]	[illegible]—Principles of Electronic Measures [illegible]	[illegible]

Suggested Majors for Students in General Agriculture Curriculum

Soil Conservation Major: This major is for students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:			Hours
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(25)	325--Advanced Farm Management (I)	3
Agr. Eng.	(5)	252--Mechanics of Soil and Water Conservation (II)	3
Agronomy	(10)	301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy	(11)	302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy	(13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)	3
Agronomy	(33)	306--Fertilizers and Their Soil Reactions (I)	3
Agronomy	(15)	307--Principles of Soil Conservation (II)	3
Agronomy	(7)	321--Crop Production as Affected by the Environment (I)	3
Agronomy	(8)	322--Forage Crops and Pastures (I,II)	3
An. Sci.	(6)	201--Livestock Management (II)	3
or Da. Sci.	(20)	311--Problems in Dairy Farming (I)	3
Forestry	(2)	102--Farm Forestry (I,II)	3

Other Courses:

Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology (I,II)	5
Botany	(3)	130--Plant Physiology (I,II)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Speech	(1)	101--Principles of Effective Speaking (I,II)	3

Suggested Majors for Students in the General Agriculture Curriculum

Pomology Major: This major is for students preparing for work in fruit production and marketing.

Agricultural Courses:			Hours
Horticulture	(2)	162--Small Fruit Culture (II)	3
Horticulture	(7)	204--Spraying (II)	3
Horticulture	(8)	263--Orcharding (I)	5
Horticulture	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Horticulture	(46)	333--Marketing Horticultural Products (I)	3
Horticulture	(17)	317--Plant Pathology (I)	3
Horticulture	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:			
Botany	(3)	130--Plant Physiology (I,II)	5
Bacteriology	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Entomology	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5
Entomology	(20)	319--Chemical Control of Insects (I)	4

Vegetable Crops Major: This major is for students preparing for work in vegetable crop production or marketing.

Agricultural Courses:			Hours
Hort.	(3)	242--Commercial Vegetable Production (II)	3
Hort.	(17)	317--Plant Pathology (I)	3
Hort.	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Hort.	(52)	308--Vegetable Diseases (II, alternate years)	3
Hort.	(46)	333--Marketing Horticultural Products (I)	3
Hort.	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Hort.	(new)	343--Structure and Classification of Vegetable Crop Plants (I, alternate years)	3
Hort.	(new)	345--Growth and Development of Vegetable Crops (I, alternate years)	4
Agronomy	(22)	323--Improvement of Farm Crops by Breeding (I)	3

Other Courses:			
Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Botany	(3)	130--Plant Physiology (I,II)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5

Suggested Majors for Students in the General Agriculture Curriculum

Mechanization Major: This major is for students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with service organizations, retail dealers, or contracting or management companies.

Agricultural Courses:			Hours
Agr. Eng.	(2)	131--Field and Power-Driven Machinery (I)	3
Agr. Eng.	(3)	142--Gas Engines and Tractors (II)	3
Agr. Eng.	(4)	272--Farm Buildings (II)	3
Agr. Eng.	(5)	252--Mechanics of Soil and Water Conservation (II)	3
Agr. Eng.	(14)	241--Electric Power for the Farm (I)	3
Agr. Eng.	(28)	242--Advanced Gas and Diesel Engines and Tractors (I)	3
Agr. Eng.	(51)	393--Special Problems (I,II)	3
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(24)	224--Farm Operation (II)	3
Agr. Econ.	(26)	203--Agriculture Law (I)	3
Agronomy	(15)	307--Principles of Soil Conservation (II)	3

Other Courses:			
Accountancy	(12)	201--Fundamentals of Accounting (I,II)	3
Marketing	(B.O.O. 7)	271--Salesmanship (I,II)	2
Mathematics	(3 or 2)	112 or 111--College Algebra or Algebra (I,II)	5 or 3
Mathematics	(4)	114--Plane Trigonometry (I,II)	2
Rhetoric	(10)	151--Business Letter Writing (I,II)	2
Speech	(1)	101--Principles of Effective Speaking (I,II)	3

[illegible]

[illegible] Purpose: The purpose is for students who wish to obtain a [illegible] knowledge in chemistry, nomenclature, and laboratory and safety, in preparation for more all service organizations, social security, or commercial or management organizations.

[illegible]

[illegible]			
[illegible]	(2)	[illegible] and Thermodynamics (4)	[illegible]
[illegible]	(3)	[illegible] Equilibrium and Kinetics (3)	[illegible]
[illegible]	(4)	[illegible] Electrochemistry (3)	[illegible]
[illegible]	(5)	[illegible] of [illegible] and Water Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] Chemistry for the Home (3)	[illegible]
[illegible]	(3)	[illegible] Gas and Liquid Hydrogen and Deuterium (3)	
[illegible]	(2)	[illegible] Problems (1)	[illegible]
[illegible]	(3)	[illegible] Problems (1)	[illegible]
[illegible]	(3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] of Ind Chemistry (3)	[illegible]

[illegible]

[illegible]	(3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(6,6,3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(2 or 3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] Chemistry (3)	[illegible]
[illegible]	(3)	[illegible] Chemistry (3)	[illegible]

Suggested Majors for Students in the General Agriculture Curriculum

Farm Management and Farm Finance Major: This major is for students interested in preparing for work in the farm management and farm credit fields.

Agricultural Courses:			Hours
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(24)	224--Farm Operation (II)	3
Agr. Econ.	(25)	325--Advanced Farm Management (I)	3
Agr. Econ.	(26)	203--Agricultural Law (I)	3
Agr. Econ.	(15)	302--Financing Agriculture (II)	3
Agr. Econ.	(8)	342--Agricultural Prices (II)	3
Agronomy	(10)	301--Genesis, Morphology, Classification and Geography of Soils (II)	3
Agronomy	(8)	322--Forage Crops and Pastures (I,II)	3
Agr. Eng.	(4)	272--Farm Buildings (II)	3
Agr. Eng.	(5)	252--Mechanics and Soil and Water Conservation (II)	3
An. Sci.	(6)	201--Livestock Management (II)	3
Da. Sci.	(D.P. 20)	311--Problems in Dairy Farming (I)	3
Agr. Econ.	(42)	312--(same as Agronomy (35) 312) Farm Appraisals (II)	5
Agr. Econ.	(7)	277--(same as Sociology (7) 277) Rural Sociology (I,II)	3

Other Courses:			
Rhetoric	(10)	151--Business Letter Writing (I,II)	2
Economics	(3)	250--Money, Credit and Banking (I,II)	3
Accy.	(12)	201--Fundamentals of Accounting (I,II)	3

Suggested Majors for Students in the General Agriculture Curriculum

Agricultural Marketing Major: This major is for students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

Agricultural Courses:		Hours
Agr. Econ.	(30) 130--Marketing Agricultural Products (I,II)	3
Agr. Econ.	(6) 341--Agricultural Statistics (I)	3
Agr. Econ.	(8) 342--Agricultural Prices (II)	3
*Agr. Econ.	(31) 331--Grain Grading & Marketing (I)	3
*Agr. Econ.	(36) 333--Marketing Horticultural Products (I)	3
*Agr. Econ.	(34) 334--Marketing Dairy Products (II)	3
*Agr. Econ.	(37) 332--Marketing Livestock (II)	2

Non-Agricultural Courses: (Humanities and Social Studies or Open Electives)

Speech	(1) 101--Principles of Effective Speaking (I,II)	3
Rhetoric	(10) 151--Business Letter Writing (I,II)	2
Marketing	(B.O.O. 7) 271--Salesmanship (I,II)	2
Economics	(378)--Consumers and the Market (II)	3
Economics	(92) 384--Economics of Transportation (I,II)	3
Economics	(3) 250--Money, Credit and Banking (I,II)	3
Accy.	(12) 201--Fundamentals of Accounting (I,II)	3
Bus. Law	(2) 261--Summary of Business Law (I,II)	3

* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

Suggested Majors for Students in the General Agriculture Curriculum

Rural Group Leadership Major: This major is for students preparing for work in extension, 4-H and other rural youth work, rural pastorships[1], rural social welfare work, rural recreation, rural library work, etc.

Agricultural Courses:

			Hours
*Agr. Econ.	(7)	277--(same as Sociology 277) Rural Sociology (I,II)	3
Agr. Econ.	(12)	177--Farmers' and Rural Organizations (II)	3
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(30)	130--Marketing of Agricultural Products (I,II)	3
Agr. Econ.		305--Agricultural Development and Policies (I)	3
Agr. Eng.	(24)	361--Farm Home Planning in Relation to Function (II)	2

Other Courses:

*Psychology	(1)	100--Introduction to Psychology (I,II)	4
*Sociology	(1)	100--Principles of Sociology (I,II)	3
Sociology	(14)	344--Public Opinion (I,II)	3
Speech	(1)	101--Principles of Effective Speaking (I,II)	3
Soc. Wel. Adm.	(20)	220--Introduction to Social Work (I,II)	3
Soc. Wel. Adm.	(22)	222--Introduction to Social Group Work (I,II)	2
Economics	(52)	216--State and Local Taxation in Illinois (II)	3
*Pol. Science	(1a)	150--American Government (I,II)	3
P. E. M.	(14)	211--Social Recreation Activities (I,II)	2

1/ Pre-Theological Majors are advised to include among their electives the courses marked *; at least two courses from English (12) 113, (13) 114, (20b) 121, and (20a) 122; at least one course from History (1a)111, (1b) 112, (16a) 353 and(16b) 354; and Philosophy (1) 101 or (2) 102. If you plan to enter a particular seminary, care should be taken to include all subjects necessary for admission.

General Agriculture Curriculum
(for the degree, Bachelor of Science in Agriculture, with major for teachers of vocational agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 105(5)-Botany for Students in Agriculture	3	Chem. 101(1) or 102(2)-General Chemistry	5 or 3
Hygiene 102(2) or 105(5)	2	Rhet. 102(2)-Rhetoric and Comp.	3
Rhet. 101(1)-Rhetoric and Comp.	3	Zool. 104(15)-Zoology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	16	Total	15 to 18

Second Year

Agr. Eng. 111(7)-Farm Structures and Soil and Water Conservation, or 112 (6)-Tractors and Field Machinery	3	Agr. Eng. 112(6)-Tractors and Field Machinery, or 111(7)-Farm Structures and Soil and Water Conservation	3
Geol. 105(44)-Agricultural Geol.	3	Agron. 201(2)-Soils	5
Chem. 132(32)-Elem. Org. Chem.	3	Econ. 108(2)-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3
Total	17	Total	16

Third Year

Educ. 100(1)-The Am. Public School	2	Agr. Econ. 120(20)-Farm Mgmt.	3
Psych. 100(1)-Intro. to Psych.	4	Hist. 152(3b)-History of U. S.	3
Speech 101(1)-Prin. of Effective Speaking	3	Education 109(25)-Educational Psychology	3
One course from Group 1	3	Agricultural Electives	6 to 9
Agricultural Electives	3 to 6		
Total	15 to 18	Total	15 to 18

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-weeks period.

Agr. Educ. 276(50)-Practice in Agr. Education	5	Pol. Sci. 150(1a)-American Govt.	3
Agr. Educ. 277(51)-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)2/	11-17
Educ. 240(6b)-Prin. of Secondary Education	3		
Agr. Eng. 201(21), or Da. Prod. 204(33)1/ or other Agr.Elective	2 to 3		
Total	15 to 16	Total	14 to 20

Total hours credit required for the B. S. degree 130

1/ Da. Prod. 204 offered second semester only.
2/ A total of six hours of humanities is necessary for certification.

Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum

Courses	Hours
Agr. Econ. 100(1)--Introductory Agr. Economics	3
Agronomy 121(1)--Crop Production	4
An. Sci. 101(1)--Introduction to Animal Science	3
An. Sci. 102(21)--Principles of Feeding	3
Da. Sci. 100(D.P.24a)--Introduction to Dairy Production	3
Horticulture 161(1a)--Introductory Pomology and Ornamental Gardening, I	3
Forestry 101(1)--General Forestry, or Forestry 102(2)--Farm Forestry, or Hort. 142(1b)--Introduction to Vegetable Crops, II	3 or 2
Total	22 or 21

Fifth Year
(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 409(125)-Advanced Educ. Psychology	1	Educ. 400(101)-Philos. of Educ. or Educ. 302(30)-Hist. of Am. Education	1
Electives	1	Electives	1
Total	4	Total	4

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the Degree, Bachelor of Science in Agriculture, with major for teachers of vocational agriculture

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade
Agr. Econ. (1) 100	3	
Agr. Econ. (20) 120	3	
Agr. Eng. (6) 112	3	
Agr. Eng. (7) 111	3	
Agron. (1) 121	4	
Agron. (2) 201	5	
An. Sci. (1) 101	3	
An. Sci. (21) 102	3	
Da. Sci. (D. P. 24a) 100	3	
Hort. (1a) 161	3	
Forestry (1) 101 or (2) 102, or Hort. (1b) 142	3-2	
Total	35-36	

NON-AGRICULTURE PRESCRIBED:		
Botany (5) 105	3	
Chemistry (1) 101 or (2) 102	5-3	
Chemistry (32) 132	3	
Economics (2) 108	3	
Geology (44) 105	3	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Speech (1) 101	3	
Zoology (15) 104	4	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade
SOCIAL STUDIES PRESCRIBED:		
History (3b) 152	3	
Pol. Sci. (1a) 150	3	
HUMANITIES (Minimum of 6 hrs.)		
Psychol. (1) 100	4	
Humanities electives (Art, music, lang., lit., psych., phil.)		
EDUCATION COURSES PRESCRIBED:		
Education (1) 100	2	
Education (25) 109	3	
Education (6b) 240	3	
Agr. Educ. (50) 276	5	
Agr. Educ. (51) 277	5	
OPEN ELECTIVES:		

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

TOTAL HOURS EARNED:

D GRADES:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

Agriculture and Agricultural Engineering Curricula
5-Year Combined Programs
(for the degrees, Bachelor of Science in Agriculture
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science Degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters. It is essential that a sequence in mathematics, physics, mechanics and design courses be followed along with agricultural courses to carry out this program. Students interested in this plan should observe the following procedure:

1. Enroll in the College of Agriculture for 3 or 4 years; then transfer to the College of Engineering for 1 or 2 years.

2. Follow the "Common Program for Freshmen" as set up for freshmen in Engineering, during the first year. Programs for subsequent years must be planned very carefully with the assistance of an adviser from the Agricultural Engineering Department.

3. Decide between the Agricultural Science Curriculum and the General Agriculture Curriculum. Courses in Mathematics, Physics, Theoretical and Applied Mechanics, Agricultural Engineering and Design must be taken in proper sequence each semester along with 3 to 5 hours of the Agriculture Curriculum requirements. Some courses in the Agricultural Engineering program must necessarily be deferred.

4. By the beginning of the third year, choose between the Machinery and Power option and the Construction and Drainage option of the Agricultural Engineering Curriculum in the College of Engineering.

(a) Agricultural Science Curriculum: Option I (See Page 7)

16 hours	general University requirements Rhet., Hyg., Mil., and P.E.
35 hours	agriculture courses (including 18 hours Agr. Eng.)
6 hours	humanities
6 hours	social science (including Econ. 108)
12 hours	biological science (including Bot. 105)
35 hours	physical science (Chem., Math., Physics, Geol.)
20 hours	elective (G.E.D., T.A.M.)
130 total hours	

In conforming to this curriculum, the student can meet the agricultural engineering requirements with the exception of major option courses as follows: (1) Machinery and Power: 8 hours electrical engineering and 23 hours mechanical engineering, for a total of 31 hours. (2) Construction and Drainage: 4 hours fluid mechanics, 3 hours electrical engineering, and 24 hours civil engineering, for a total of 31 hours. This makes a requirement for both degrees of 161 hours, in either option.

Agriculture and Agricultural Engineering Curricula--Continued

(b) General Agriculture Curriculum: (See Page 10)

29 hours agriculture prescribed (including Agr. Econ., Agronomy, An. Sci., etc.)
21 hours agriculture electives (including Agr. Eng.)
35 to 37 hours non-agriculture prescribed (including Bot., Geol., Rhet., Mil., Zool., etc.)
12 hours humanities and social studies
33 to 31 hours electives (including Math., G.E.D., Phys., etc.)
130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements, with the following exceptions: (1) Machinery and Power: 5 hours additional theoretical and applied mechanics, 8 hours electrical engineering, and 23 hours mechanical engineering. (2) Construction and Drainage: 9 hours additional theoretical and applied mechanics, 3 hours electrical engineering, and 24 hours civil engineering. In each option the additional requirement is 36 hours, making a total for both degrees of 166 hours.

Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 7). Students following this program should ask to be assigned an adivser for the six-year program in Agriculture and Law.

SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM
(for the degree, Bachelor of Science in Agriculture)

(Six semestersin agriculture--six semesters in law)

A. Required courses

Rhetoric	6	
Hygience	2	
Military	4	
Physical Education	4	16

B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 120, 130, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Forestry 102	3	36

C. Suggested courses to meet requirement of 56 hours from groups II thru V
(Minimum of 40 hours in groups III and V and a minimum of 8 hours in each of the other groups)

Group II Courses		
Philosophy 104	4	
English 122	4	8

SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM--Continued

Group III Courses		
Economics 108	3	
History 345	3	
Political Science 150	3	
Psychology 100	4	
Sociology 100	3	
		16
Law courses (to be taken in fourth year)	13	
Group IV Courses		
Zoology 104	4	
Botany 100 and 101	5	
		9
Group V Courses		
Chemistry 101 and 132	8	
Geology 105	3	
		11

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	6

Total hours in three years.	102
Law courses to complete Group III	13
Additional Law courses	15
Total Required for degree in Agriculture	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 28 hours in law school during the fourth year would complete the group III and V minimum requirement and qualify the student for graduation from the College of Agriculture.

Dairy Technology Curriculum
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufactures.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Comp.	3	Rhet. 102(2)-Rhetoric and Comp.	3
Math. 111(3) or 112(2)-College Algebra	5 or 3	Math. 114(4)-Plane Trigonometry	2
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 102(2) or 105(5)-Personal and Environmental Hygiene	2	Da. Sci. 100(D.P. 24a)-Introduction to Dairy Production	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	17-13	Total	15

Second Year

Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5	Da. Sci. 150(11)-General Dairy Bacteriology	2
Da. Tech. 101(1)-Introduction to Dairy Technology	3	Da. Sci. 151(12)-General Dairy Bacteriology	3
Da. Tech. 103(3)-Dairy Products Judging	1	Da. Tech. 104(4)-Dairy Products Judging	1
Econ. 108(2)-Elements of Economics	3	Chem. 122(22)-Elementary Quantitative Analysis	5
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	3	Electives	3
Total	17	Total	16

Third Year

Da. Tech. 303(11)-Cheese Mfr.	3	Da. Tech. 302(12)-Creamery Butter Manufacture	3
Chem. 133(33)-Elementary Organic Chemistry	5	Da. Tech. 304(13)-Market Milk	3
Physics 101(4a)-General Physics (Mechanics, Heat, and Sound)	5	Physics 102(4b)-General Physics (Light, Elec., and Magnetism)	5
Electives	5	Accy. 201(12)-Fundamentals of Accounting	3
		Electives	3
Total	18		17

Fourth Year

Da. Tech. 301(10)-Ice Cream Mfr.	3	Da. Tech. 306(14)-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total Required for Graduation 130

Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours in courses offered by the College of Agriculture is required in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

Suggested Group I electives:		Hours
Agr. Econ.	334(34)--Marketing Dairy Products (II)	3
Da. Sci.	350(10)--Advanced Dairy Bacteriology (I)	4
Da. Sci.	380(5)--Composition of Dairy Products (I)	3
Vet. Path. and Hygiene	105(5)--Animal Hygiene (I)	3
Da. Tech.	308(16)--Plant Management (II)	3
Da. Tech.	201(15)--Special Problems in Dairy Technology (I,II)	5
Home Econ.	120(38)--Elementary Nutrition (I,II)	2

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

Suggested Group II electives:		
Speech	101(1)--Principles of Effective Speaking (I,II)	3
Economics	250(3)--Money, Credit, and Banking (I,II)	3
Economics	240(41)--Labor Problems (I,II)	3
Economics	248(43)--Personnel Administration (I,II)	3
Pol. Sci.	150(1a)--American Government: Organization and Powers (I,II)	3
Pol. Sci.	151(1b)--American Government: Functions (I,II)	3
Soc.	100(1)--Principles of Sociology (I,II)	3
Psych.	100(1)--Introduction to Psychology (I,II)	4
French	101 and 102(1a and 1b)--Elementary Course (I,II)	8
German	101 and 102(1a and 1b)--Elementary Course (I,II)	8

Suggested Open electives:		
Rhet.	151(10)--Business Letter Writing (I,II)	2
Bus. Law	261(2)--Summary of Business Law (I,II)	3
Marketing	101(B.O.O. 2)--Principles of Marketing (I,II)	3
Marketing	211(B.O.O. 3)--Principles of Retailing (I,II)	3
Marketing	271(B.O.O. 7)--Salesmanship (I,II)	2

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Name_____ Curriculum in DAIRY TECHNOLOGY Date_____

Prescribed Courses	Hours	Grade
Accy. (12) 201	3	
Bact. (5a-5b) 104-105	3-2	
Chem. (1 or 2) 101 or 102	5-3	
Chem. (5) 105	5	
Chem. (22) 122	5	
Chem. (33) 133	5	
Da. Sci. (11) 150	2	
Da. Sci. (12) 151	2	
Da. Sci. (24a) 100	3	
Da. Tech. (1) 101	3	
Da. Tech. (3) 103	1	
Da. Tech. (4) 104	1	
Da. Tech. (10) 301	3	
Da. Tech. (11) 303	3	
Da. Tech. (12) 302	3	
Da. Tech. (13) 304	3	
Da. Tech. (14) 306	3	
Econ. (2) 108	3	
Math. (2 or 3) 112 or 111	3-5	
Math. (4) 114	2	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics (4a) 101	5	
Physics (4b) 102	5	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	

Group 1--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.

	Hours	Grade

Group 2--Minimum of 12 hours selected from Art, Econ., Engl., For. Lang., Geog., Hist., Journ., L. Arch., Law, Music, Philos., Pol. Sci., Psych., Sociol., Speech

	Hours	Grade

Open Electives	Hours	Grade

Group 1 Hours earned: _____

Hours to be earned: _____

Group 2 Hours earned: _____

Hours to be earned: _____

TOTAL HOURS EARNED: _____

D grades: _____

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

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Floriculture Curriculum
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. A minimum of 4 hours is required in addition to prescribed courses in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, sociology, or speech. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about $25.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 132(32)-Elementary Organic Chemistry	3
Hort. 121(5)-Plant Propagation	3	Rhet. 102(2)-Rhetoric & Composition	3
Rhet. 101(1)-Rhetoric & Composition	3	Entom. 101(1a) and 102(1b)-Destructive and Useful Insects	5
Botany 105(5)-Botany for Students in Agriculture	3	Physical Education	1
Hygiene 102(2) or 105(5)-Personal and Environmental Hygiene	2	Military Science (for men)	1
Physical Education	1	Electives	3 to 5
Military Science (for men)	1		
Total	16 or 18	Total	16 to 18

Second Year

Accy. 101(1a)-Prin. of Accounting	3	Accy. 105(1b)-Accounting Procedure	3
Bot. 130(3)-Plant Physiology	5	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Bot. 160(6)-Introductory Systematic Botany	3
Geol. 105(44)-Agricultural Geology	3	Hort. 122(15a)-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Botany 317(7)-Plant Pathology	3	Hort. 224(15c)-Commercial Floricultural Crops	3
Hort. 223(15b)-Commercial Floricultural Crops	3	Hort. 230(31)-Garden Flowers	3
Hort. 321(43)-Floricultural Physiology	3	Hort. 322(45)-Plant Nutrition	3
Land. Arch. 251(51)-Trees and Shrubs	3	Land. Arch. 252(52)-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
Total	15 to 18	Total	15 to 18

Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231(32a)-Floral Decoration	3	Hort. 226(30)-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232(32b)-Floral Decoration	3
		Land.Arch. 164(64)-Apprec. of Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

NOTE: The following courses are suggested as electives which may be taken during the third or fourth year:

	Hours
Agron. 323(22)-Improvement of Farm Crops by Breeding	3
Bot. 322(46)-Heredity and Evolution	4
Bus. Law 261(2)-Elementary Law of Business	3
Entom. 319(20)-Insect Control	4
Hort. 204(7)-Spraying	3
Hort. 345-Growth and Development of Vegetable Crops	4
Hort. 382(12)-Improvement of Horticultural Crops by Breeding	3
Marketing 101(B.O.O. 2)-Principles of Marketing	3
Marketing 271(B.O.O. 7)-Salesmanship	2
Marketing 381(B.O.O. 8)-Introduction to Advertising	3
Rhet. 151(10)-Business Letter Writing	2

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Name _____ Curriculum in FLORICULTURE _____ Date _____

Prescribed Courses	CREDIT	GRADE
Accy.(1a) 101	3	
Accy.(1b) 105	3	
Agron.(2) 201	5	
Bot.(3) 130	5	
Bot.(5) 105	3	
Bot.(6) 160	3	
Bot.(7) 317	3	
Chem. (1 or 2) 101 or 102	5-3	
Chem. (32) 132	3	
Econ.(2) 108	3	
Entom. (1a and 1b) 101 and 102	3-2	
Geol. (44) 105	3	
Hort.(5) 121	3	
Hort.(15a) 122	3	
Hort.(15b) 223	3	
Hort.(15c) 224	3	
Hort.(30) 226	3	
Hort.(31) 230	3	
Hort.(32a) 231	3	
Hort.(32b) 232	3	
Hort.(43) 321	3	
Hort.(45) 322	3	
L. Arch.(51) 251	3	
L. Arch.(52) 252	3	
L. Arch.(64) 164	3	
Rhet.(1) 101	3	
Rhet.(2) 102	3	
Hyg.	2	
Mil.		
Mil.		
Mil.		
Mil.		
P. Ed.		
P. Ed.		

Group 2	CREDIT	GRADE
Minimum 4 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Philos., Pol. Sci., Psych., Rhet., Sociol., Speech		

Open Electives	CREDIT	GRADE

SUMMARY

Group 2

Earned _____

To be earned _____

TOTAL HOURS*

Earned _____

D grades*

Earned _____

* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering after October 1, 1947, a minimum average of 3.0 is required for graduation.

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Food Technology Curriculum
(for the degree, Bachelor of Science in Food Technology)

This tentative curriculum is for students who wish to prepare for employment in the food industries. By appropriate choice of electives and, where possible, by summer employment in selected industries, the individual may fit himself for entrance to and advancement in one of numerous technical or business phases of the food industries.

A major curriculum revision including addition of several specialized courses in food technology is under consideration and is expected to be accomplished before registration for the spring term. Revised sheets will be made available at that time. For details of these contemplated changes the student is referred to the Head of the Department of Food Technology.

First Year

First Semester	Hours	Second Semester	Hours
Math. 111(3)-Algebra 1/	5	Math. 114(4)-Plane Trigonometry 1/	2
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis	5
Botany 105(5)-Botany for Students in Agriculture	3	Zool. 104(15)-Zoology	4
Physical Education	1	Hygiene 102(2) or 105(5)-Personal and Environmental Hygiene	2
Military Science (for men)	1	Physical Education	1
		Military Science (for men)	1
Total	16 or 18	Total	18

Second Year

Chem. 122(22)-Elementary Quantitative Analysis	5	Chem. 133(33)-Elementary Organic Chemistry	5
Physics 101(4a)-General Physics (Mechanics, Heat, and Sound)	5	Physics 102(4b)-General Physics (Light, Elec., and Magnetism)	5
Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5	Econ. 108(2)-Elements of Economics	3
Physical Education	1	Physical Education	
Military Science (for men)	1	Military Science (for men)	1
		Electives	3
Total	17	Total	18

Third Year

Chem. 350(50)-Biochemistry	5	Chem. 329(29b)-Food Analysis	5
Agr. Econ. 130(30)-Marketing of Agr. Products	3	Bact. 308(8)-Food and Applied Bacteriology	5
Accy. 201(12)-Fundamentals of Accounting	3	Home Econ. 324(41)-Problems in Nutrition	3
Electives	5	Electives	3
Total	16	Total	16

Fourth Year

Electives	16	Electives	16
Total	16	Total	16

Total required for graduation..... 130

1/ The student planning to take advanced work in chemistry may substitute Mathematics 117(10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.

The minimum number of elective hours must be selected from the following three groups as indicated:

Group I. A minimum of 25 hours to be selected from the following courses, and such additional courses as may be provided in this group.

Agricultural Courses:	Hours
Agr. Econ. 331(31) (Same as Agron. 331(14))--Grain Grading and Marketing (I)	3
Agr. Econ. 334(34) (Same as Da. Sci. 334)--Marketing Dairy Products (II)	3
Agr. Econ. 333(36) (Same as Hort. 333(46))--Marketing Horticultural Products (I)	3
Agr. Econ. 332(37)--Marketing Livestock (II)	2
An. Sci. 104(36)--Selection and Use of Meat (I)	2
An. Sci. 204(10)--Farm Meats (II)	3
An. Sci. 205(24)--Meat Judging and Grading (I)	2
Bact. 309(9)--Bacterial Nutrition and Vitamin Assays (I)	3
Da. Sci. 180(1)--Chemical Control Methods for Dairy Plants (II)	3
Da. Sci. 380(5)--Composition of Dairy Products (I)	3
Da. Sci. 350(10)--Advanced Dairy Bacteriology (I)	4
Da. Sci. 150(11)--General Dairy Bacteriology (II)	2
Da. Sci. 151(12)--General Dairy Bacteriology (II)	3
Da. Tech--Any prescribed Dairy Technology courses listed in the Dairy Technology Curriculum	
Home Econ. 330(63)--Experimental Foods (I,II)	3

Group II. A minimum of 8 hours to be selected from courses in economics, English, foreign language, geography, history, philosophy, political science, psychology, sociology, or speech.

Group III. A minimum of 5 hours to be selected from courses not otherwise required or listed in Group I among the following: bacteriology, botany, business organization and operation, chemistry, engineering, mathematics, or physics.

COLLEGE OF AGRICULTURE
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Name _____
Date _____

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:	credit	grade
Accountancy (12) 201	3	
Agr. Econ. (30) 130	3	
Bact. (5a & 5b) 104 & 105	3 & 2	
Bact. (8) 308	5	
Botany (5) 105	3	
Chem. (1 or 2) 101 or 102	5 or 3	
Chem. (5) 105	5	
Chem. (22) 122	5	
Chem. (33) 133	5	
Chem. (50) 350	5	
Chem. (29b) 329	5	
Economics (2) 108	3	
Mathematics (3or2)111 or 112 1/	5 or 3	
Mathematics (4) 114 1/	2	
Home Economics (41) 324	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics (4a) 101	5	
Physics (4b) 102	5	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Zoology (15) 104	4	
OPEN ELECTIVES:		

GROUP I: A minimum of 25 hours selected from the following Agricultural courses:

	credit	grade
Agr. Econ. (31) 331	3	
Agr. Econ. (34) 334	3	
Agr. Econ. (36) 333	3	
Agr. Econ. (37) 332	2	
An. Sci. (36) 104	2	
An. Sci. (10) 204	3	
An. Sci. (24) 205	2	
Bact. (9) 309	3	
Da. Sci. (1) 180	3	
Da. Sci. (5) 380	3	
Da. Sci. (10) 350	4	
Da. Sci. (11) 150	2	
Da. Sci. (12) 151	3	
Home Economics (63) 330	3	
Da. Tech. (courses required in Da. Tech. curriculum)		

GROUP II: Minimum 8 hours selected from courses in econ., English, foreign lang., geog., hist., philos., pol. sci., psych., sociol., speech.

GROUP III: Minimum 5 hours selected from courses not otherwise required or listed in Group I among the following: bact., bot., B.O.&O., chem., engin., math., physics.

Total Hours

1/The student planning to take advanced work in chemistry may substitute Mathematics 117 (10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.

130 hours, inclusive of regular military and P. E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

Restaurant Management Curriculum
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for students, both men and women, in the College of Agriculture and Home Economics who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Physiol. 103(1c)-Mammalian Physiology	4	Psych. 103(1c)-Human Behavior	4
Chem. 101(1) or 102(2)-General Chemistry; or Electives[1]	5 or 3	Speech 101(1)-Principles of Effective Speaking	3
Hygiene 102(2) or 105(5)-Pers. and Environ. Hygiene	2	Chem. 101(1) or 102(2)-General Chemistry; or Electives[1]	5 or 3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	16 or 14	Total	17 or 15

Second Year

Chem. 132(32)-Elementary Organic Chemistry	3	Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5
Soc. 100(1)-Principles of Sociology	3	Econ. 108(2)-Elements of Economics	3
English Literature	3	English Literature	3
Home Econ. 130(4)-Introduction to Foods and Nutrition	2	Rhet. 151(10)-Business Letter Writing	2
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	2 to 4	Electives	0 to 3
Total	15 to 17	Total	15 to 18

1/ Students taking Chem. 101(1) or 102(2) the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101(1) or 102(2) the second semester.

Third Year

First Semester	Hours	Second Semester	Hours
Bus. Law 261(2)-Summary of Business Law	3	Mktg. 101(B.O.O. 2)-Principles of Marketing	3
Econ. 240(41)-Labor Problems	3	Econ. 248(43)-Personnel Administration	3
Home Econ. 131(58)-Foods	3	Home Econ. 220(5)-Dietetics	3
An. Sci. 104(36)-Selection and Use of Meats	2	Home Econ. 240(46)-Quantity Cookery	5
Accy. 101(1a)-Principles of Accounting; or Accy. 201(12)-Fundamentals of Accounting[2]	3	Accy. 105(1b)-Accounting Procedure[2]; or Electives	3
Electives	2 to 3		
Total	16 to 17	Total	17

Fourth Year

Home Econ. 274-Restaurant Interior	3	Home Econ. 375-Advanced Quantity Cookery and Catering	3
Home Econ. 345(47)-Institution Management	3	Mgmt. 204(B.O.O. 24)-Industrial Purchasing	3
Home Econ. 350(48)-Institution Dietaries and Administration	4	Electives	9 to 12
Accy. 265-Hotel Accounting	3		
Electives	3 to 5		
Total	16 to 18	Total	15 to 18

Total required for graduation..... 130

NOTE: Two summers, of a minimum of eight weeks each, of practical restaurant experience are strongly recommended and should be completed before registering in Home Econ. 375. This experience would normally come at the end of the second and third years.

2/ Students who elect Accy. 101(1a) must also take Accy. 105(1b).

SENIOR SHEET

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN RESTAURANT MANAGEMENT--for the Degree, Bachelor of Science in Restaurant Management

PRESCRIBED COURSES:	Credit	Grade	PRESCRIBED COURSES:	Credit	Grade
Freshman and Sophomore Years			Junior and Senior Years		
Bact. 104 & 105 (5a& 5b)	3/2		Accountancy 101 & 105 (1a & 1b), or 201 (12)	6-3	
Chem. 101 or 102 (1 or 2)	5 or 3		Accountancy 265	3	
Chem. 132 (32)	3		Animal Science 104 (36)	2	
Economics 108 (2)	3		Business Law 261 (2)	3	
English Literature (6 hrs. to be elected)			Economics 240 (41)	3	
			Economics 248 (43)	3	
			Home Economics 131 (58)	3	
			Home Economics 220 (5)	3	
Home Economics 130 (4)	2		Home Economics 240 (46)	5	
			Home Economics 274		
Physiology 103 (1c)	4		Home Economics 345 (47)	3	
			Home Economics 350 (48)	4	
Psychology 103 (1c)	4		Home Economics 375	3	
Rhetoric 101 (1)	3		Marketing 101 (B.O.O. 2)	3	
Rhetoric 102 (2)	3				
			Management 204 (B.O.O. 24)	3	
Rhetoric 151 (10)	2				
			TOTAL	47-50	
Sociology 100 (1)	3				
Speech 101 (1)	3		Open Electives:		
Hygiene 102 or 105 (2 or 5)	2				
Physical Education	1				
Physical Education	1				
Physical Education	1				
Physical Education	1				
Military (for men)	1				
Military	1				
Military	1				
Military	1		TOTAL HOURS 1/		_____
TOTAL	50-56				

1/ A total of 130 semester hours is required for graduation. Physical education and military science will be counted in the 130 hours. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

NOTE: Two summers, of a minimum of eight weeks each, of practical restaurant experience are strongly recommended and should be completed before registering in Home Econ. 375. This experience would normally come at the end of the second and third years.

Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2) General Chemistry	5 or 3	Rhet. 102(2)-Rhetoric and Composition	3
Rhet. 101(1)-Rhetoric and Composition	3	Math. 114(4)-Plane Trigonometry	2
Math. 111(3) or 112(2)-Algebra	5 or 3	Geol. 105(44)-Agricultural Geology	3
Bot. 105(5)-Botany for Students in Agriculture	3	Forestry 101(1)-Gen. Forestry	3
Hygiene 105(5)-Personal and Environmental Hygiene	2	G.E.D. 101(1)-Elements of Drawing	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	16 to 18	Total	17

Second Year

C. E.115(15)-General Surveying	3	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Physical Education	1
Chem. 132(32)-Elementary Organic Chemistry	3	Military Science (for men)	1
Physical Education	1	Electives	11
Military Science (for men)	1		
Electives	5 or 6		
Total	16 or 17	Total	18

Electives

	Hours
Bot. 130(3)-Plant Physiology	5
Bot. 160(6)-Introductory Systematic Botany	3
Geog. 111(14)-Introduction to Meteorology	3
Physics 101(4a)-General Physics (Mechanics, Sound, and Heat)	5
Physics 102(4b)-General Physics (Light, Electricity, and Magnetism)	5
Pol. Sci. 150(1a)-American Government	3
Speech 101(1)-Principles of Effective Speaking	3
Zool. 101(1)-General Zoology, or Zool. 104(15)-Animal Biology	5 or 4

A Handbook for Agricultural Students and Their Advisers

By

Robert R. Hudelson, Associate Dean
C. D. Smith, Assistant Dean

University of Illinois College of Agriculture
Urbana, Illinois

August 1950

ACA377 (Rev.)

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Name of Student: _____

Local Address: _____, _____
(Number and Street) (Champaign or Urbana)

Home Address: _____

_____

Name of Faculty Adviser: _____

Office Address: _____ Phone: _____

Office Hours: _____

Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."1/

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944

Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.

2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Faculty and Students.

4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.

5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, six curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. Agricultural Science
3. Dairy Technology
4. Floriculture
5. Food Technology
6. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 12 to 19. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 20 to 22.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.

3. The basic sciences and, for some fields, mathematics.

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in agricultural science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in agricultural science and in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training

but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940[a]

Occupational groups	1930 Number replying to questionnaire	1930 Percent of all persons replying	1940 Number replying to questionnaire	1940 Percent of all persons replying
Educational workers				
College teachers	163	7.8	131	7.8
College administrators	6	.3	9	.5
Directors of extension	2	.1	11	.7
Extension specialists	33	1.1	43	2.6
County agents	108	5.0	97	5.8
High-school teachers	278	13.3	291	17.2
Coaches	9	.4	5	.3
Professional technicians				
Agronomists	29	1.4	76	4.5
Bacteriologists	1	0	6	.4
Chemists	24	1.2	16	1.0
Economists	14	.7	18	1.1
Engineers	33	1.6	24	1.4
Entomologists	13	.6	8	.5
Horticulturists	14	.7	5	.3
Statisticians	0	0	6	.4
Zoologists	0	0	2	.1
U.S.D.A. officials	14	.7	23	1.4
Farm Security Administration supervisors	0	0	49	2.9
Foresters	5	.2	0	0
Subprofessional technicians				
Inspectors	12	.6	19	1.1
Butter and ice-cream makers	3	.1	5	.3
Herdsmen	2	.1	9	.5
Miscellaneous	9	.4	2	.1
Business managers and employees				
Industrial managers	99	4.8	78	4.6
Wholesale managers	39	1.9	69	4.1
Retail managers	56	2.7	28	1.7
Buyers	18	.9	11	.7
Officers	32	1.5	29	1.7
Clerks	17	.8	26	1.5
Salesmen and salesmanagers	125	6.0	52	3.1
Insurance, loan, real-estate agents				
Insurance salesmen	39	1.9	28	1.7
Real-estate salesmen	17	.8	17	1.0
Loan agents	28	1.3	26	1.5
Bank officials	20	1.0	10	.6
Appraisers	10	.5	16	1.0
Farmers				
Operators (owners, tenants)	459	22.1	240	14.3
Managers	58	2.8	48	2.9
Hands	0	0	3	.2
Others				
Florists and landscape gardeners	157	7.5	36	2.1
Hatcherymen	11	.5	5	.3
Lawyers	10	.5	8	.5
Doctors and dentists	14	.7	9	.5
Ministers	9	.4	6	.4
Soldiers	6	.3	8	.5
Public officials	19	.9	9	.5
Artists and musicians	8	.4	0	0
Journalism and advertising	51	2.4	32	1.9
Skilled tradesmen	3	.1	5	.3
Laborers	2	.1	5	.3
Unemployed	24	1.1	4	.2
Retired	2	.1	1	.1
Students	26	1.0	19	1.1
All groups	2 107	--	1 683	--

a/ The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.

Name_____

PROGRAM BY SEMESTERS

Objective_____ Curriculum_____

Use this sheet to plan your programs as far ahead as possible. Refer to the University of Illinois Undergraduate Study Bulletin to determine which semester certain courses are offered.

_____Semester 19__-19__ _____Semester 19__-19__

Courses I plan to take:	Hours	Courses I plan to take:	Hours
1.		2.	
3.		4.	
5.		6.	
7.		8.	

Date_____

[illegible] BY [illegible]

[illegible]_____ Supervisor_____

For this check to plan your purchase or for [illegible]. Data is for the [illegible] of Illinois Conservation Police Radio to [illegible] when [illegible] [illegible] [illegible] [illegible].

_____ Quarter II _____ Semester IV _____

Channel I plan to [illegible]	[illegible]	Channel I plan to [illegible]	[illegible]
1.		2	
3.		4.	
5.		6.	
7.		8.	

General Agriculture Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 consists of all prescribed courses in agriculture except Agronomy 201 (soils).

FIRST YEAR

First Semester	Hours	Second Semester	Hours
Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Rhet. 101(1)	3	Rhet. 102(2)	3
Hygiene	2	Chem. 102(2) or 101(1)	3 or 5
Bot. 100	4	Zool. 104(15)	4
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	17	Total	15 to 18

SECOND YEAR

Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Geology 105(44)	3	Agron. 201(2)	5
Chem. 132(32)	3	Econ. 108(2)	3
Three courses from Group 1	9	Two courses from Group 1	6
Total	17	Total	16

THIRD AND FOURTH YEARS

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies, and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Total Required for Graduation 130

Group 1--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

Courses	Hours
Agr. Econ. 100(1)[1]--Introductory Agr. Economics	3
Agr. Eng. 101(1)--Introduction to Agr. Engineering	3
Agronomy 121(1)--Crop Production	4
An. Sci. 101(1)--Introduction to Animal Science	3
An. Sci. 102(21)--Principles of Feeding	3
Da. Sci. 100(24a)--Introduction to Dairy Production	3
Horticulture--Introductory Horticulture	3
Forestry 101 (1)--General Forestry, or Forestry 102 (2)--Farm Forestry, or Hort. elective	3 or 2
TOTAL.	25 or 24

Group 2--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

1/ Students entering as juniors or seniors should substitute Agr. Econ. 120(20) or Agr. Econ. 130(30) for Agr. Econ. 100(1).

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade
Agr. Econ.(1) 100	3	
Agr. Eng. (1) 101	3	
Agronomy (1) 121	4	
Agronomy (2) 201	5	
An. Sci. (1) 101	3	
An. Sci. (21) 102	3	
Da. Sci. (D.P. 24a) 100	3	
Hort. 100	3	
Forestry (1 or 2) 101 or 102 or Hort. elective	3-2	
Total Hours	29-30	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV OF ILLINOIS

NON-AGRICULTURE PRESCRIBED:		
Botany 100	4	
Chemistry (1 or 2) 101 or 102	5-3	
Chemistry (32) 132	3	
Economics (2) 108	3	
Geology (44) 105	3	
Hygiene	2	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Zoology (15) 104	4	
Military		
Military		
Military		
Military		
P.E.		
P.E.		
P.E.		
P.E.		

HUMANITIES AND SOCIAL STUDIES--Minimum of 12 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

credit	grade

Earned:

To be earned:

OPEN ELECTIVES:

credit	grade

TOTAL HOURS.

D grades:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

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Suggested Majors in the General Agriculture Curriculum

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science Curriculum.

Agricultural Courses:	Hours
*Animal Science 103 (3)--Breeds and Market Classes of Livestock (I)	5
Animal Science 104 (36)--Selection and Use of Meat (I)	2
Animal Science 201 (6)--Livestock Management (II)	3
One or more of the following:	
Animal Science 206 (33)--Light and Heavy Horses (II)	3
Animal Science 301 (25)--Beef Production (I, II)	3
Animal Science 302 (27)--Sheep Production (II)	3
Animal Science 303 (26)--Pork Production (I, II)	3
Animal Science 304 (37)--Poultry Management (I, II)	3-4
*Animal Science 305 (41)--Animal Genetics (II)	3
*Animal Nutrition 301 (51)--Introduction to Animal Nutrition (II)	3
Agr. Economics 120 (20)--Farm Management (I, II)	3
Agr. Economics 332 (37)--Marketing Livestock (II)	2
Agronomy 322 (8)--Forage Crops and Pastures (I, II)	3
*Agriculture 216 (16)--Experimental and Biological Statistics (I, II)	3

Other Courses:	
Vet. Anatomy 101 (1)--Anatomy of Domestic Animals (I)	3
Vet. Path. & Hygiene 105 (5)--Animal Hygiene (I)	3
Vet. Physiology & Pharm. 102 (2)--Physiology of Domestic Animals (II)	3

Additional courses in Animal Science or in related subjects to be selected in individual cases after consultation with the student's adviser.

*Required in the Agricultural Science Curriculum for a major in Animal Science.

Suggested Majors for Students in the General Agriculture Curriculum

Dairy Production Major: This major is for students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection and management of dairy cattle.

Agricultural Courses:

		Hours
Da. Sci. (D.P. 2b)	104--Dairy Cattle Judging (I,II)	2
Da. Sci. (D.P. 2a)	201--Reproduction, Genetics and Improvement of Dairy Cattle (I)	3
Da. Sci. (D.P. 2a)	202--Feeding Dairy Cattle (II)	3
Da. Sci. (D.P. 20)	311--Problems in Dairy Farming (I)	3
Da. Sci. (D.P. 11)	150--General Dairy Bacteriology (II)	2
Da. Sci. (D.P. 12)	151--General Dairy Bacteriology (II)	3
Da. Sci. (D.P. 34)	334--Marketing Dairy Products (II)	3
Agronomy (8)	322--Forage Crops and Pastures (I,II)	3

Other Courses:

Vet. Path. & Hygiene (5)	105--Animal Hygiene (I)	3
Vet. Phy. & Pharm. (2)	102--Physiology of Domestic Animals (II)	3
Bact. (5a & 5b)	104 & 105--Introductory Bacteriology (I, II)	5

Farm Crops Major: This major is for students preparing for work in crop production and/or plant breeding.

Agricultural Courses:

		Hours
Agriculture (16)	216--Experimental and Biological Statistics (I,II)	3
Agronomy (11)	302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy (13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)	3
Agronomy (7)	321--Crop Production as Affected by the Environment (I)	3
Agronomy (8)	322--Forage Crops and Pastures (I,II)	3
Agronomy (22)	323--Improvement of Farm Crops by Breeding (I, II)	3
Agronomy (29)	324--Principles of Field Plot Experimentation (I)	3
Agronomy (36)	325--Corn Breeding (II)	3
Agronomy (14)	331--Grain Grading and Marketing (I)	3

Other Courses:

Bact. (5a)	104--Introductory Bacteriology (I,II)	3
Botany (3)	130--Plant Physiology (I)	5
Botany (7)	317--Plant Pathology (I)	3
Entom. (1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Math. (3 or 2)	111 or 112--Algebra or College Algebra (I,II)	5 or 3
Speech (1)	101--Principles of Effective Speaking (I,II)	3

Suggested Majors for Students in General Agriculture Curriculum

Soil Conservation Major: This major is for students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:			Hours
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(25)	325--Advanced Farm Management (I)	3
Agr. Eng.	(5)	252--Mechanics of Soil and Water Conservation (II)	3
Agronomy	(10)	301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy	(11)	302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy	(13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)	3
Agronomy	(33)	306--Fertilizers and Their Soil Reactions (I)	3
Agronomy	(15)	307--Principles of Soil Conservation (II)	3
Agronomy	(7)	321--Crop Production as Affected by the Environment (I)	3
Agronomy	(8)	322--Forage Crops and Pastures (I,II)	3
An. Sci.	(6)	201--Livestock Management (II)	3
or Da. Sci.	(20)	311--Problems in Dairy Farming (I)	3
Forestry	(2)	102--Farm Forestry (I,II)	3

Other Courses:

Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology (I,II)	5
Botany	(3)	130--Plant Physiology (I)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Speech	(1)	101--Principles of Effective Speaking (I,II)	3

Suggested Majors for Students in the General Agriculture Curriculum

Pomology Major: This major is for students preparing for work in fruit production and marketing.

Agricultural Courses:			Hours
Horticulture	(2)	162--Small Fruit Culture (II)	3
Horticulture	(7)	204--Spraying (II)	3
Horticulture	(8)	263--Orcharding (I)	5
Horticulture	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Horticulture	(46)	333--Marketing Horticultural Products (I)	3
Horticulture	(17)	317--Plant Pathology (I)	3
Horticulture	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:

Botany	(3)	130--Plant Physiology (I)	5
Bacteriology	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Entomology	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5
Entomology	(20)	319--Chemical Control of Insects (I)	4

Vegetable Crops Major: This major is for students preparing for work in vegetable crop production or marketing.

Agricultural Courses:			Hours
Hort.	(3)	242--Commercial Vegetable Production (II)	3
Hort.	(17)	317--Plant Pathology (I)	3
Hort.	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Hort.	(52)	308--Vegetable Diseases (II, alternate years)	3
Hort.	(46)	333--Marketing Horticultural Products (I)	3
Hort.	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Hort.	(new)	343--Structure and Classification of Vegetable Crop Plants (I, alternate years)	3
Hort.	(new)	345--Growth and Development of Vegetable Crops (I, alternate years)	4
Agronomy	(22)	323--Improvement of Farm Crops by Breeding (I,II)	3

Other Courses:

Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Botany	(3)	130--Plant Physiology (I)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5

Suggested Majors for Students in the General Agriculture Curriculum

Mechanization Major: This major is for students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with service organizations, retail dealers, or contracting or management companies.

Agricultural Courses:			Hours
Agr. Eng.	(2)	131--Field and Power-Driven Machinery (I)	3
Agr. Eng.	(3)	142--Gas Engines and Tractors (II)	3
Agr. Eng.	(4)	272--Farm Buildings (II)	3
Agr. Eng.	(5)	252--Mechanics of Soil and Water Conservation (II)	3
Agr. Eng.	(14)	241--Electric Power for the Farm (I)	3
Agr. Eng.	(28)	242--Advanced Gas and Diesel Engines and Tractors (I)	3
Agr. Eng.	(51)	393--Special Problems (I,II)	3
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(24)	224--Farm Operation (II)	3
Agr. Econ.	(26)	203--Agriculture Law (I)	3
Agronomy	(15)	307--Principles of Soil Conservation (II)	3

Other Courses:			
Accountancy	(12)	201--Fundamentals of Accounting (I,II)	3
Marketing	(B.O.O. 7)	271--Salesmanship (I,II)	2
Mathematics	(3 or 2)	112 or 111--College Algebra or Algebra (I,II)	5 or 3
Mathematics	(4)	114--Plane Trigonometry (I,II)	2
Rhetoric	(10)	151--Business Letter Writing (I,II)	2
Speech	(1)	101--Principles of Effective Speaking (I,II)	3

Suggested Majors for Students in the General Agriculture Curriculum

Farm Management and Farm Finance Major: This major is for students interested in preparing for work in the farm management and farm credit fields.

Agricultural Courses:			Hours
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(24)	224--Farm Operation (II)	3
Agr. Econ.	(25)	325--Advanced Farm Management (I)	3
Agr. Econ.	(26)	203--Agricultural Law (I)	3
Agr. Econ.	(15)	302--Financing Agriculture (II)	3
Agr. Econ.	(8)	342--Agricultural Prices (II)	3
Agronomy	(10)	301--Genesis, Morphology, Classification and Geography of Soils (II)	3
Agronomy	(8)	322--Forage Crops and Pastures (I,II)	3
Agr. Eng.	(4)	272--Farm Buildings (II)	3
Agr. Eng.	(5)	252--Mechanics and Soil and Water Conservation (II)	3
An. Sci.	(6)	201--Livestock Management (II)	3
Da. Sci.	(D.P. 20)	311--Problems in Dairy Farming (I)	3
Agr. Econ.	(42)	312--(same as Agronomy (35) 312) Farm Appraisals (II)	5
Agr. Econ.	(7)	277--(same as Sociology (7) 277) Rural Sociology (I,II)	3

Other Courses:			
Rhetoric	(10)	151--Business Letter Writing (I,II)	2
Economics	(3)	250--Money, Credit and Banking (I,II)	3
Accy.	(12)	201--Fundamentals of Accounting (I,II)	3

Suggested Majors for Students in the General Agriculture Curriculum

Agricultural Marketing Major: This major is for students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

Agricultural Courses:		Hours
Agr. Econ.	(30) 130--Marketing Agricultural Products (I,II)	3
Agr. Econ.	(6) 341--Agricultural Statistics (I)	3
Agr. Econ.	(8) 342--Agricultural Prices (II)	3
*Agr. Econ.	(31) 331--Grain Grading & Marketing (I)	3
*Agr. Econ.	(36) 333--Marketing Horticultural Products (I)	3
*Agr. Econ.	(34) 334--Marketing Dairy Products (II)	3
*Agr. Econ.	(37) 332--Marketing Livestock (II)	2

Non-Agricultural Courses: (Humanities and Social Studies or Open Electives)

Speech	(1) 101--Principles of Effective Speaking (I,II)	3
Rhetoric	(10) 151--Business Letter Writing (I,II)	2
Marketing	(B.O.O. 7) 271--Salesmanship (I,II)	2
Economics	(378)--Consumers and the Market (II)	3
Economics	(92) 384--Economics of Transportation (I,II)	3
Economics	(3) 250--Money, Credit and Banking (I,II)	3
Accy.	(12) 201--Fundamentals of Accounting (I,II)	3
Bus. Law	(2) 261--Summary of Business Law (I,II)	3

* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

Suggested Majors for Students in the General Agriculture Curriculum

Rural Group Leadership Major: This major is for students preparing for work in extension, 4-H and other rural youth work, rural pastorships[1], rural social welfare work, rural recreation, rural library work, etc.

Agricultural Courses:

			Hours
*Agr. Econ.	(7)	277--(same as Sociology 277) Rural Sociology (I or II)	3
Agr. Econ.	(12)	177--Farmers' and Rural Organizations (II)	3
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(30)	130--Marketing of Agricultural Products (I,II)	3
Agr. Econ.		305--Agricultural Development and Policies (I)	3
Agr. Eng.	(24)	361--Farm Home Planning in Relation to Function (II)	2

Other Courses:

*Psychology	(1)	100--Introduction to Psychology (I,II)	4
*Sociology	(1)	100--Principles of Sociology (I,II)	3
Sociology	(14)	344--Public Opinion (I,II)	3
Speech	(1)	101--Principles of Effective Speaking (I,II)	3
Soc. Wel. Adm.	(22)	222--Introduction to Social Group Work (I,II)	2
Soc. Wel. Adm.	(20)	225--Introduction to Social Work I (I,II)	3-4
Soc. Wel. Adm.	(20)	226--Introduction to Social Work II (I,II)	3-4
Economics	(52)	216--State and Local Taxation in Illinois (I)	3
*Pol. Science	(1a)	150--American Government (I,II)	3
P. E. M.	(14)	211--Social Recreation Activities (I,II)	2

1/ Pre-Theological Majors are advised to include among their electives the courses marked *; at least two courses from English (12) 113, (13) 114, (20b) 121, and (20a) 122; at least one course from History (1a)111, (1b) 112, (16a) 353 and(16b) 354; and Philosophy (1) 101 or (2) 102. If you plan to enter a particular seminary, care should be taken to include all subjects necessary for admission.

Suggested Outline for Research in the Chemical Conditioning Curriculum

[illegible] Chemical Engineering Design. This course is the capstone presentation for senior students, and has their chemical engineering, chemical engineering, civil, mechanical engineering, [illegible] mechanical engineering, [illegible] industrial engineering, [illegible].

Undergraduate Courses

			Hours
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Graduate Courses

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible] Bibliography

[illegible]

General Agriculture Curriculum with Major in Teacher Training
(for the degree, Bachelor of Science in Agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100-General Botany	4	Chem. 101(1) or 102(2)-General Chemistry	5 or 3
Hygiene 101 or 104	2	Rhetoric 102(2)-Rhet. & Comp.	3
Rhetoric 101(1)-Rhet. & Comp.	3	Zoology 104(15)-Zoology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	17	Total	15 to 18

Second Year

Agr.Eng. 111(7)-Farm Structures and Soil and Water Conservation, or 112 (6)-Tractors and Field Machinery	3	Agr.Eng. 112(6)-Tractors and Field Machinery, or 111(7)-Farm Structures and Soil and Water Conservation	3
Geol. 105(44)-Agricultural Geol.	3	Chem. 132(32)-Elem. Org. Chem.	3
Educ. 101-The Nature of the Teaching Profession	2	Econ. 108(2)-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	Two courses from Group 1	6
Total	16	Total	17

Third Year

Agron. 201(2)-Soils	5	Agr. Econ. 120(20)-Farm Mgmt.	3
Psych. 100(1)-Intro. to Psych.	4	Hist. 152(3b)-History of U. S.	3
Speech 101(1)-Prin. of Effective Speaking	3	Educ. 201-Found. of Am. Educ.	2
		Educ. 240-Prin. of Sec. Educ.	2
Agricultural Electives	3 to 6	Agricultural Electives	6
Total	15 to 18	Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276(50)-Practice in Agr. Education	5	Pol. Sci. 150(1a)-American Govt.	3
Agr. Educ. 277(51)-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)2/	11-17
Educ. 211-Educational Psychology	3		
Agr. Eng. 201(21), or Da. Sci. 204(33)1/ or other Agr.Elective	2 or 3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. 130

1/ Da. Sci. 204 offered second semester only.
2/ A total of six hours of humanities is necessary for certification.

General Analytical Statements with Notes in Greater Typeface
(for the Genus: Genesis of Science in Aphorisms)

Plate One

Plate Number	Notes	Second Character	Number
Ant. Difference Engine	4	Comm. 1411(1) or 1[0]1[4]-General	
Engine (or) Jim	2	(Genius)	2 - or - 7
Factory 1311[1]-Gen. 2 Com-	2	Analyst: 1[0]1[1]Gen. 4 Com.	2
Original Genius	1	Engine 1[4]1[2]Genius	4
Military Genius (for men)	1	Hybrid Scientist	1
The Eastern Gum Gong 1	2	Military Genius (for men)	2
		The Jewish Item Gong 1	1
Total	17	Total	17 - or - 14

Plate Two

Aphrodite. 1[4]1[1]Gen Tinker-ers and		Apr.Gen. 1[4]1[1]-Inventors and Trade	
Soul and Genre Connection. 4 1[1]		Engineers, 4 1[4]1[1]-Gen Genius	
1[0]-Tinkers and Trade Engineers 2		and Soul and Genre Connection	2
Gen. 1[0]1[1]-Original Genius.	2	Comm. 1[4]1[2]-Gen. Gen. Comm.	1
Gen. 1[0]-The Genus of		Gen. 1[0]1[1]Gen. 4 Connection	1
The Tinkering Inventors	1	Original Genius	1
Physical Genius	1	Military Genius (for men)	1
Military Genius (for men)	2	The Jewish Item Gong 1	4
The Eastern Item Gong 1	1		
Total	17	Total	17

Plate Three

Lenin. 1[0]1[1]-Genius	3	Apr. Gen. 1[0]1[1]-Item Gen.	1
Trotsky. 1[0]1[1]-Genius. 4 Item.	4	Aln. 1[0]1[1]-Genius 4 1. 3	1
Jewish 1[0]1[1]-Trots. 2 Gen-Trots		Gen. 1[0]-Genus. 2 Gen. Genus	1
Genius	2	Gen. 1[0]-Trots. 2 Gen. Gen.	1
Apollonian Genius	1 1/2 1/2	Apollonian Genius	1
Total	17 1/2 1/2	Total	17

Plate Four

Genius Inventorship. Genius take and practice leading will be defined during a lunatic period.

Apr. Gen. 1[0]1[1]-Genius 2 Inv.		Apl. Gen. 1[0]1[4]-Genius Gen.	1
Genius	2	Genius 1[0]1[4]-Genius 2 Genr. 2	
Gen. Gen. 1[0]1[1]-Genius.		Genius	2
Genius 1[0]1[1]-Genius 2 Inv.	1	Genius 1[0]1[1]-Genius 2 Genr.	1 1/2
Apr. Gen. 1[0]1[1] 2 Gen. Gen.	1		
Genius 1[0]1[1] 2 Gen. Gen.			
Total	1 1/2	Total	1 1/2 - or - 2

Total Genr (Full) Genius for the 4 Gr Aspects 17

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(1) Gen. 1[0] 1[1]-A Genius Genius only.
(2) A Genius Genius 1[0]1[1]-Genius 2 Genius for Genius.

Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum

Courses	Hours
Agr. Econ. 100(1)--Introductory Agr. Economics (I,II)	3
Agronomy 121(1)--Crop Production (I,II)	4
An. Sci. 101(1)--Introduction to Animal Science (I,II)	3
An. Sci. 102(21)--Principles of Feeding (I,II)	3
Da. Sci. 100(D.P.24a)--Introduction to Dairy Prod. (I,II)	3
Horticulture 100--Introductory Horticulture	3
Forestry 101(1)--General Forestry, or Forestry 102(2)--Farm Forestry, or Hort. elective	3 or 2
Total	22 or 21

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311-Psych. of Learning and Teaching	1/2	Two of the following courses:	
Educ. 312-Mental Hygiene and the School	1/2	Educ. 301-Philos. of Educ.	1/2
Electives	1	Educ. 302-Hist. of Am. Educ.	1/2
		Educ. 303-Comparative Educ.	1/2
		Educ. 304-Social Foundations of Education	1/2
		Electives	1
Total	4	Total	4

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the Degree, Bachelor of Science in Agriculture

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade
Agr. Econ. (1) 100	3	
Agr. Econ. (20) 120	3	
Agr. Eng. (6) 112	3	
Agr. Eng. (7) 111	3	
Agron. (1) 121	4	
Agron. (2) 201	5	
An. Sci. (1) 101	3	
An. Sci. (21) 102	3	
Da. Sci. (D. P. 24a) 100	3	
Hort. 100	3	
Forestry (1) 101 or (2) 102, or Hort. elective	3-2	
Total	35-36	

NON-AGRICULTURE PRESCRIBED:		
Botany 10C	4	
Chemistry (1) 101 or (2) 102	5-3	
Chemistry (32) 132	3	
Economics (2) 108	3	
Geology (44) 105	3	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	
Speech (1) 101	3	
Zoology (15) 104	4	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade
SOCIAL STUDIES PRESCRIBED:		
History (3b) 152	3	
Pol. Sci. (1a) 150	3	
HUMANITIES (Minimum of 6 hrs.)		
Psychol. (1) 100	4	
Humanities electives (Art, music, lang., lit., psych., phil.)		
EDUCATION COURSES PRESCRIBED:		
Education 101	2	
Education 201	2	
Education 211	3	
Education (6b) 240	2	
Agr. Educ. (50) 276	5	
Agr. Educ. (51) 277	5	
OPEN ELECTIVES:		

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

TOTAL HOURS EARNED:

D GRADES:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

ACA393

CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is for students who plan to do graduate study in agricultural fields or those who wish to engage in technical work requiring more science or mathematics than can readily be included in the "General Agriculture" curriculum. A student will be permitted to enter the curriculum or to continue in it only if he has a grade point average of 3.5 or higher. It is characterized by great flexibility and lends itself to individualized programs of study. For satisfactory results this curriculum presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and gaining assignment to a suitable adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	2/16
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	1/10	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	1/10	16
Electives, Unrestricted	22	35
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
2/ Students in Option II must include at least 8 semester hours in Economics.

[illegible] of the College of Application

Educational Patterns Curriculum
(for the degree, Bachelor of Science in Application)

This curriculum is for students who plan to do graduate study in applied fields or claim the ratio in engineering in technical work requiring some science or mathematics. Since one reality is included in the "General Experience" curriculum, a student will be required to meet the curriculum or to qualify in it (SQ) if he has a grade point average of 1.5 or higher. It is distinctive and by great flexibility and lack rigid in individualized programs of study. For satisfactory results this curriculum presupposes adequate individual planning under the supervision of a faculty advisor qualified in the academic specialties field of interest. For assistance in selecting a proper plan and guiding an student to a suitable advisor, call on the office of the Dean, Tech. Sci. Sci.

The options are provided in this curriculum:

Option I. Are students desiring preparation for graduate study or technical work in medical, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields indicated in agricultural economics and rural sociology.

Option I Medical Science Group	Option II Economics Group
General University Requirements (Science, military, physical education and hygiene)	32	32
Group I. College of Application Courses	32	-
Group II. Humanities (Lit, Hist, Language, Literature, Philosophy)	6	6
Group III. Social Science (Economics, Sociology, History, political science, Geology, Anthropology)	6	6½
Group IV. Biological Science (Bacteriology, Botany, Zoology, Physiology, Entomology)	12½	4
Group V. Physical Science (Chemistry, Physics, Mathematics, English)	12½	32
Electives, Concentrate	32	32
TOTAL required for graduation	127	132

[1] All students in Option I must complete 1 total of 63 semester hours in Groups IV and V combined, with a minimum of 12 hours in each.
[2] Students in Option II must include at least 6 semester hours in Economics.

Agricultural Science Curriculum

Sample program for first year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Math. 112(2) or 111(3)-College Algebra[1]	3 or 5	Math. 114(4)-Plane Trigonometry[1]	2
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106(6)-Inorganic Chemistry	5
Hygiene 102(2) or 105(5)- Personal and Environmental Hygiene	2	Physical Education	1
Physical Education	1	Military Science (for men)	1
Military Science (for men)	1	Electives	3 to 6
Electives	0 to 5		
Total	15 to 18	Total	15 to 18

Second, Third, and Fourth Years

The programs for the second, third, and fourth years should be planned in consultation with the faculty adviser.

Total required for graduation. 130

1/ The student planning to take advanced work in chemistry may take Mathematics 117(10a)-127(10b) instead of the indicated mathematics courses.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Date_____ Name_____
Option and field selected_____

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.
Option I--For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	credit	grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

GROUP III--Social Sciences (Econ., geog., hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.*

	credit	grade

GROUP IV--Biological Sciences (Bact.,bot., entom., physiol., zool.) Option I--Minimum of 10 hrs*; Option II--Minimum of 6 hrs.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs*; Option II--Minimum of 16 hrs.

Open Electives:

Total hours earned_____

* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P. E., are required for the degree as outlined above. A student will be permitted to enter the curriculum or to continue in it only if he has a grade point average of 3.5 or higher. Effective September 1950.

ACA390

Agriculture and Agricultural Engineering Curricula
5-Year Combined Programs
(for the degrees, Bachelor of Science in Agriculture
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science Degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters. It is essential that a sequence in mathematics, physics, mechanics and design courses be followed along with agricultural courses to carry out this program. Students interested in this plan should observe the following procedure:

1. Enroll in the College of Agriculture for 3 or 4 years; then transfer to the College of Engineering for 1 or 2 years.

2. Follow the "Common Program for Freshmen" as set up for freshmen in Engineering, during the first year. Programs for subsequent years must be planned very carefully with the assistance of an adviser from the Agricultural Engineering Department.

3. Decide between the Agricultural Science Curriculum and the General Agriculture Curriculum. Courses in Mathematics, Physics, Theoretical and Applied Mechanics, Agricultural Engineering and Design must be taken in proper sequence each semester along with 3 to 5 hours of the Agriculture Curriculum requirements. Some courses in the Agricultural Engineering program must necessarily be deferred.

4. By the beginning of the third year, choose between the Machinery and Power option and the Construction and Drainage option of the Agricultural Engineering Curriculum in the College of Engineering.

(a) Agricultural Science Curriculum: Option I (See Page 20)

16	hours general University requirements Rhet., Hyg., Mil., and P.E.
35	hours agriculture courses (including 18 hours Agr. Eng.)
6	hours humanities
6	hours social science (including Econ. 108)
10	hours biological science (including Bot. 100)
35	hours physical science (Chem., Math., Physics, Geol.)
22	hours elective (G.E.D., T.A.M.)
130	total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements with the exception of major option courses as follows: (1) Machinery and Power: 8 hours electrical engineering and 23 hours mechanical engineering, for a total of 31 hours. (2) Construction and Drainage: 4 hours fluid mechanics, 3 hours electrical engineering, and 24 hours civil engineering, for a total of 31 hours. This makes a requirement for both degrees of 161 hours, in either option.

Agriculture and Agricultural Engineering Curricula
5-Year Combined Programs
(for the Degrees, Bachelor of Science in Agriculture and Bachelor of Science in Agricultural Engineering)

Farmers Conference is sponsoring a curriculum of science degree in Agricultural Engineering and Pilot ship one of 1st class: [1] Degree in the College of Engineering and complete the Freshman Curriculum in agricultural engineering. [2] Degree in the College of Agriculture in either the agricultural sciences or General Agriculture curriculum and meet the requirements governing at the same time fulfilling the program outlined in the Agricultural Engineering curriculum of the College of Engineering. By this plan, the two degrees can usually be completed in 5 semesters. It is essential that a student in this curriculum, physics, mechanics and design courses be followed along with agricultural courses so every not miss prerequisites. Careful information in this plan should choose the following procedure.

1. Enroll in the College of Agriculture for 2 or 4 years; then apply for on the College of Engineering for 1 or 3 years.

2. Follow the Common Program for Freshmen" as set up for Freshmen in Engineering, during the three years. Provision for additional course must be checked with the curriculum in an effort from the Agricultural Engineering Freshmen.

3. Choose between the Agricultural Science Curriculum and the Agricultural Curriculum. Courses in Agriculture, Engineering, Chemistry and English Literature, Agricultural Engineering and Physics must be taken in proper sequence with courses along with 1 or 2 years of the agricultural curriculum requirements. Some courses in the Agricultural Engineering program must be taken in advance.

4. By the beginning of the third year, choose between the Bachelor and Master degree and the Agricultural and Engineering options of the Agricultural Engineering curriculum in the College of Engineering.

(a) Agricultural Science Curriculum: Option 1 (See Page 27)

1) Lower general University requirements (Eng., Math., and P.E.
2) Lower agricultural courses (including 12 hours Agr. Eng.)
3) Lower Engineering
4) Lower social science (including Econ. 101)
5) Lower biological science (including Zoo. 101)
6) Lower physical science (Chem., Math., Physics, Geol.)
7) Lower elective (Agr.E., Eng.)
8) Lower Engineering

In preparing an data worksheet, the student has met the agricultural science requirements with the exception of some courses as follows:
(1) Physics and Chemistry: 2 hours elementary mechanics and 27 hours intermediate mechanics, for a total of 31 hours. (2) Economics and Sociology: 4 hours Farm management, 3 hours elementary economics, and 3 hours rural sociology. For a total of 10 hours. This means a requirement for 2 hours of 101 Econ. in either option.

Agriculture and Agricultural Engineering Curricula--Continued

(b) General Agriculture Curriculum: (See Page 7)

29 hours agriculture prescribed (including Agr. Econ., Agronomy, An. Sci., etc.)
21 hours agriculture electives (including Agr. Eng.)
35 to 37 hours non-agriculture prescribed (including Bot., Geol., Rhet., Mil., Zool., etc.)
12 hours humanities and social studies
33 to 31 hours electives (including Math., G.E.D., Phys., etc.)
130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements, with the following exceptions: (1) Machinery and Power: 5 hours additional theoretical and applied mechanics, 8 hours electrical engineering, and 23 hours mechanical engineering. (2) Construction and Drainage: 9 hours additional theoretical and applied mechanics, 3 hours electrical engineering, and 24 hours civil engineering. In each option the additional requirement is 36 hours, making a total for both degrees of 166 hours.

Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 20). Students following this program should ask to be assigned an adivser for the six-year program in Agriculture and Law.

SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM
(for the degree, Bachelor of Science in Agriculture)

(Six semestersin agriculture--six semesters in law)

A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	
		16

B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 120, 130, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 142	2	
		35

C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	
		6

SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM--Continued

Group III Courses		
Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	
		16
Law courses (to be taken in fourth year)	13	
Group IV Courses		
Zoology 104, or Botany 100	4	
Entomology 101	3	
		7
Group V Courses		
Chemistry 101 and 132	8	
Geology 105	3	
Math. Electives	5	
		16
D. Suggested Electives		
Speech 101	3	
Accountancy 201	3	
		6

Total hours in three years.	102
Law courses to complete requirement for degree.	28
Total Required for Degree in Agriculture.	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 28 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.

Dairy Technology Curriculum
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufactures. All students specializing in dairy technology are expected to take an inspection trip either in the junior or senior year. This trip costs the student about $35.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Comp.	3	Rhet. 102(2)-Rhetoric and Comp.	3
Math. 111(3) or 112(2)-College Algebra	5 or 3	Math. 114(4)-Plane Trigonometry	2
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100(D.P. 24a)-Introduction to Dairy Production	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	17-13	Total	15

Second Year

Bact. 104(5a and 5b) Introductory Bacteriology	5	Da. Sci. 150(11)-General Dairy Bacteriology	2
Da. Tech. 101(1)-Introduction to Dairy Technology	3	Da. Sci. 151(12)-General Dairy Bacteriology	3
Da. Tech. 103(3)-Dairy Products Judging	1	Da. Tech. 104(4)-Dairy Products Judging	1
Econ. 108(2)-Elements of Economics	3	Chem. 122(22)-Elementary Quantitative Analysis	5
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	3	Electives	3
Total	17	Total	16

Third Year

Da. Tech. 303(11)-Cheese Mfr.	3	Da. Tech. 302(12)-Creamery Butter Manufacture	3
Chem. 133(33)-Elementary Organic Chemistry	5	Da. Tech. 304(13)-Market Milk	3
Physics 101(4a)-General Physics (Mechanics, Heat, and Sound)	5	Physics 102(4b)-General Physics (Light, Elec., and Magnetism)	5
Electives	3 to 5	Accy. 201(12)-Fundamentals of Accounting	3
		Electives	3
Total	16 to 18		17

Fourth Year

Da. Tech. 301(10)-Ice Cream Mfr.	3	Da. Tech. 306(14)-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total Required for Graduation 130

Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours in courses offered by the College of Agriculture is required in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

Suggested Group I electives:		Hours
Agr. Econ.	334(34)--Marketing Dairy Products (II)	3
Da. Sci.	350(10)--Advanced Dairy Bacteriology (I)	4
Da. Sci.	380(5)--Composition of Dairy Products (I)	3
Vet. Path.	and Hygiene 105(5)--Animal Hygiene (I)	3
Da. Tech.	308(16)--Plant Management (II)	3
Da. Tech.	201(15)--Special Problems in Dairy Technology (I,II)	5
Home Econ.	120(38)--Elementary Nutrition (I,II)	2

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

Suggested Group II electives:

Speech	101(1)--Principles of Effective Speaking (I,II)	3
Economics	240(41)--Labor Problems (I,II)	3
Economics	248(43)--Personnel Administration (I,II)	3
Economics	250(3)--Money, Credit, and Banking (I,II)	3
Pol. Sci.	150(1a)--American Government: Organization and Powers (I,II)	3
Pol. Sci.	151(1b)--American Government: Functions (I,II)	3
Soc.	100(1)--Principles of Sociology (I,II)	3
Psych.	100(1)--Introduction to Psychology (I,II)	4
French	101 and 102(1a and 1b)--Elementary Course (I,II)	8
German	101 and 102(1a and 1b)--Elementary Course (I,II)	8

Suggested Open electives:

Rhet.	151(10)--Business Letter Writing (I,II)	2
Bus. Law	261(2)--Summary of Business Law (I,II)	3
Marketing	101(B.O.O. 2)--Principles of Marketing (I,II)	3
Marketing	211(B.O.O. 3)--Principles of Retailing (I,II)	3
Marketing	271(B.O.O. 7)--Salesmanship (I,II)	2

Main Sequence Curriculum-Continued

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UNIVERSITY OF ILLINOIS
College of Agriculture--Office of Associate Dean

Name_____ Curriculum in DAIRY TECHNOLOGY Date_____

Prescribed Courses	Hours	Grade
Accy. (12) 201	3	
Bact. (5a-5b) 104-105	3-2	
Chem. (1 or 2) 101 or 102	5-3	
Chem. (5) 105	5	
Chem. (22) 122	5	
Chem. (33) 133	5	
Da. Sci. (24a) 100	3	
Da. Sci. (11) 150	2	
Da. Sci. (12) 151	2	
Da. Tech. (1) 101	3	
Da. Tech. (3) 103	1	
Da. Tech. (4) 104	1	
Da. Tech. (10) 301	3	
Da. Tech. (12) 302	3	
Da. Tech. (11) 303	3	
Da. Tech. (13) 304	3	
Da. Tech. (14) 306	3	
Econ. (2) 108	3	
Math. (2 or 3) 112 or 111	3-5	
Math. (4) 114	2	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics (4a) 101	5	
Physics (4b) 102	5	
Rhetoric (1) 101	3	
Rhetoric (2) 102	3	

Group 1--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.

	Hours	Grade

Group 2--Minimum of 12 hours selected from Art, Econ., Engl., For. Lang., Geog., Hist., Journ., L. Arch., Law, Music, Philos., Pol. Sci., Psych., Sociol., Speech

	Hours	Grade

Open Electives

	Hours	Grade

Group 1 Hours earned: _____

Hours to be earned: _____

Group 2 Hours earned: _____

Hours to be earned: _____

TOTAL HOURS EARNED: _____

D grades: _____

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

2/6/48
ACA365

Floriculture Curriculum
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. In addition to prescribed courses a minimum of 4 hours is required in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, sociology, or speech. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about $25.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 132(32)-Elementary Organic Chemistry	3
Hort. 121(5)-Plant Propagation	3	Rhet. 102(2)-Rhetoric & Composition	3
Rhet. 101(1)-Rhetoric & Composition	3	Entom. 101(1a) and 102(1b)-Destructive and Useful Insects	5
Botany 100 - General Botany	4	Physical Education	1
Hygiene 101-Health Lectures	2	Military Science (for men)	1
Physical Education	1	Electives	3 to 5
Military Science (for men)	1		
Total	17 or 19	Total	16 to 18

Second Year

Accy. 101(1a)-Prin. of Accounting	3	Accy. 105(1b)-Accounting Procedure	3
Bot. 130(3)-Plant Physiology	5	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Bot. 160(6)-Introductory Systematic Botany	3
Geol. 105(44)-Agricultural Geology	3	Hort. 122(15a)-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Botany 317(7)-Plant Pathology	3	Hort. 224(15c)-Commercial Floricultural Crops	3
Hort. 223(15b)-Commercial Floricultural Crops	3	Hort. 230(31)-Garden Flowers	3
Hort. 321(43)-Floricultural Physiology	3	Hort. 322(45)-Plant Nutrition	3
Land. Arch. 251(51)-Trees and Shrubs	3	Land. Arch. 252(52)-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
Total	15 to 18	Total	15 to 18

Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231(32a)-Floral Decoration	3	Hort. 226(30)-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232(32b)-Floral Decoration	3
		Land.Arch. 164(64)-Apprec. of Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

Total Required for Graduation 130

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	Hours
Agron. 323(22)-Improvement of Farm Crops by Breeding (I,II)	3
Bot. 322(46)-Genetics (I)	4
Bus. Law 261(2)-Summary of Business Law (I,II)	3
Entom. 319(20)-Insect Control (I)	4
Hort. 204(7)-Spraying (II)	3
Hort. 345-Growth and Development of Vegetable Crops (I)	4
Hort. 382(12)-Improvement of Horticultural Crops by Breeding (II)	3
Marketing 101(B.O.O. 2)-Principles of Marketing (I,II)	3
Marketing 271(B.O.O. 7)-Salesmanship (I,II)	2
Marketing 281(B.O.O. 8)-Introduction to Advertising (I,II)	3
Rhet. 151(10)-Business Letter Writing (I,II)	2

UNIVERSITY OF ILLINOIS
College of Agriculture--Office of Associate Dean

Name | Curriculum in FLORICULTURE | Date

Prescribed Courses	CREDIT	GRADE
Accy.(1a) 101	3	
Accy.(1b) 105	3	
Agron.(2) 201	5	
Bot. 100	4	
Bot.(3) 130	5	
Bot.(6) 160	3	
Bot.(7) 317	3	
Chem. (1 or 2) 101 or 102	5-3	
Chem. (32) 132	3	
Econ.(2) 108	3	
Entom. (1a and 1b) 101 and 102	3-2	
Geol.(44) 105	3	
Hort.(5) 121	3	
Hort.(15a) 122	3	
Hort.(15b) 223	3	
Hort.(15c) 224	3	
Hort.(30) 226	3	
Hort.(31) 230	3	
Hort.(32a) 231	3	
Hort.(32b) 232	3	
Hort.(43) 321	3	
Hort.(45) 322	3	
L. Arch.(64) 164	3	
L. Arch.(51) 251	3	
L. Arch.(52) 252	3	
Rhet.(1) 101	3	
Rhet.(2) 102	3	
Hyg.	2	
Mil.		
Mil.		
Mil.		
Mil.		
P. Ed.		
P. Ed.		

Group 2	CREDIT	GRADE
Minimum 4 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Philos., Pol. Sci., Psych., Rhet., Sociol., Speech		
Open Electives		

SUMMARY

Group 2

Earned_____

To be earned_____

TOTAL HOURS*

Earned_____

D grades*

Earned_____

* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering after October 1, 1947, a minimum average of 3.0 is required for graduation.

ACA158

Food Technology Curriculum
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is $35.

First Year

First Semester	Hours	Second Semester	Hours
Math. 117-Combined Freshman Mathematics[1]	5	Math. 127-Combined Freshman Mathematics[1]	4
D.G.S. 111-Verbal Communication	4	D.G.S. 112-Verbal Communication	4
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 102 or 105-Personal and Environmental Hygiene	2	Botany 100-General Botany	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	14 or 16	Total	17

Second Year

Math. 137-Calculus[2]	3	Math. 147-Calculus[2]	3
Physics 103-General Physics (Mechanics, Heat, and Sound)	5	Physics 104-General Physics (Elec., Magnetism, Light, and Modern Physics)	5
Chem. 122-Elementary Quantitative Analysis	5	Chem. 133-Elementary Organic Chemistry	5
Zool. 104-Zoology-Botany Sequence	4	Elective	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	17	Total	16

Third Year

F.T. 201-Elements of Food Technology	3	F.T. 202-Elements of Food Technology	3
F.T. 269-Raw Materials for Processing	3	F.T. 270-Raw Materials for Processing	3
Bact. 104 and 105-Introductory Bacteriology	5	Bact. 308-Food and Applied Bacteriology	5
Chem. 247-Elementary Physical Chemistry[3]	4	Chem. 249-Chemistry of Colloids[3]	3
Electives	2	Electives	3
Total	17	Total	17

Fourth Year

First Semester	Hours	Second Semester	Hours
F.T. 301-Food Processing	4	F.T. 302-Food Processing	4
F.T. 363-Unit Operations in Food Technology	3	F.T. 332-Principles of Sanitation in the Processing and Handling of Foods	4
Chem. 350-Biochemistry	5	Chem. 329-Food Analysis	5
Electives	4	F.T. 206-Inspection Trip	0
		Electives	3
Total	16	Total	16

Total required for graduation (exclusive of physical education and military science) 130

A minimum average of 3.0 in all specified courses is required for graduation.

1/ The student lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

2/ The student who follows the algebra, trigonometry, analytic geometry sequence will take Math. 132-Calculus and Math. 142-Calculus.

3/ Students adequately qualified may substitute Chem. 240 and Chem. 342-Elementary Physical Chemistry for Chem. 247 and Chem. 249.

Electives

A minimum of 15 hours shall be selected from courses in art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:	credit	grade
Bact. 104 & 105	3 & 2	
Bact. 308	5	
Botany 100	4	
Chem. 101 or 102	5 or 3	
Chem. 105	5	
Chem. 122	5	
Chem. 133	5	
Chem. 247 1/	4	
Chem. 249 1/	3	
Chem. 329	5	
Chem. 350	5	
D. G. S. 111	4	
D. G. S. 112	4	
F. T. 201	3	
F. T. 202	3	
F. T. 206	0	
F. T. 269	3	
F. T. 270	3	
F. T. 301	4	
F. T. 302	4	
F. T. 332	4	
F. T. 363	3	
Mathematics 117 2/	5	
Mathematics 127	4	
Mathematics 137	3	
Mathematics 147	3	
Physics 103	5	
Physics 104	5	
Zoology 104	4	
Hygiene	2	
Military	1-1	
Military	1-1	
P. E.	1-1	
P. E.	1-1	

HUMANITIES AND SOCIAL STUDIES--
Minimum of 15 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

OPEN ELECTIVES:

Earned:

To be earned:

TOTAL HOURS

1/ Students adequately qualified may substitute Chem. 240 and Chem. 342, Elementary Physical Chemistry, for Chem. 247 and Chem. 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 112, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

7-26-50
ACA394

COURSE OF INSTRUCTION
Office of Aerospace Medicine

Page _____
Date _____

Instructional Course	Credit Hours	Course Description
Aero. 123 & 124	1 & 1	Review of 12 weeks basic flying (ref. crewmanship, medical, course training, aviation, military, flying, instrument, combine navigation, aero. space, physiology, physics, climatology, navigation, meteorology, and speech.
Aero. 126	3	
Aero. 127	4	
Chem. 101 or 104	3 or 4	
Chem. 102	3	
Chem. 103	3	
Chem. 105	3	
Chem. 107	3	
Chem. 108	3	
Chem. 109	3	
Chem. 110	3	
C. E. M. 111	4	
C. E. M. 112	4	
E. E. 201	3	
E. E. 202	3	
E. E. 203	3	
E. E. 204	3	
E. E. 205	3	
E. E. 206	3	
E. E. 207	3	
E. E. 208	3	
E. E. 209	3	
E. E. 210	3	
Mathematics 111 1/	3	Open seminar.
Mathematics 112	3	
Mathematics 113	3	
Mathematics 114	3	
Physics 203	3	
Physics 204	3	
Psychology 204	4	
Physics	3	
Military	1-3	
Military	1-3	
Military	1-3	
P. E.	1-3	
P. E.	1-3	

1/ Students adequately qualified may substitute Chem. 101 for Chem. 102 in Chemistry Required Credits for Chem. 107 and Chem. 108.

2/ Students taking the medical science sequence (Chemistry, Biol. 111 will take the sequence, Biol. 111, 112, 113, 210 and 211.

3/ Every, members of course attains age 21, are required for the course. For classes entering the University after Jan. 1, 1947, a minimum course of 12 is required for graduation.

Restaurant Management Curriculum
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for students, both men and women, in the College of Agriculture and Home Economics who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Physiol. 103(1c)-Intro. to Human Physiology	4	Psych. 103(1c)-Human Behavior	4
Chem. 101(1) or 102(2)-General Chemistry; or Electives[1]	5 or 3	Speech 101(1)-Principles of Effective Speaking	3
Hygiene 101-Health Lectures	2	Chem. 101(1) or 102(2)-General Chemistry; or Electives[1]	5 or 3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	16 or 14	Total	17 or 15

Second Year

Chem. 132(32)-Elementary Organic Chemistry	3	Bact. 104(5a and 5b)-Introductory Bacteriology	5
Soc. 100(1)-Principles of Sociology	3	Econ. 108(2)-Elements of Economics	3
English Literature	3	English Literature	3
Home Econ. 130(4)-Introduction to Foods and Nutrition	2	Rhet. 151(10)-Business Letter Writing	2
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	2 to 4	Electives	0 to 3
Total	15 to 17	Total	15 to 18

1/ Students taking Chem. 101(1) or 102(2) the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101(1) or 102(2) the second semester.

Third Year

First Semester	Hours	Second Semester	Hours
Bus. Law 261(2)-Summary of Business Law	3	Mktg. 101(B.O.O. 2)-Principles of Marketing	3
Econ. 240(41)-Labor Problems	3	Econ. 248(43)-Personnel Administration	3
Home Econ. 131(58)-Foods	3	Home Econ. 220(5)-Dietetics	3
An. Sci. 104(36)-Selection and Use of Meats	2	Home Econ. 240(46)-Quantity Cookery	5
Accy. 101(1a)-Principles of Accounting; or Accy. 201(12)-Fundamentals of Accounting[2]	3	Accy. 105(1b)-Accounting Procedure[2]; or Electives	3
Electives	2 to 3		
Total	16 to 17	Total	17

Fourth Year

Home Econ. 345(47)-Institution Management	3	Home Econ. 253-Restaurant Interior	3
Home Econ. 350(48)-Institution Dietaries and Administration	4	Home Econ. 375-Advanced Quantity Cookery and Catering	3
Accy. 265-Hotel Accounting	3	Mgmt. 204(B.O.O. 24)-Industrial Purchasing	3
Electives	6 to 8	Electives	6 to 9
Total	16 to 18	Total	15 to 18

Total required for graduation 130

NOTE: Two summers, of a minimum of eight weeks each, of practical restaurant experience are required and should be completed before registering in Home Econ.355. This experience normally should come at the end of the second and third years.

2/ Students who elect Accy. 101(1a) must also take Accy. 105(1b).

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN RESTAURANT MANAGEMENT--for the Degree, Bachelor of Science in Restaurant Management

PRESCRIBED COURSES:	Credit	Grade
Accountancy 101 & 105 (1a & 1b), or 201 (12)	6-3	
Accountancy 265	3	
Animal Science 104 (36)	2	
Bact. 104 & 105 (5a & 5b)	3/2	
Business Law 261 (2)	3	
Chem. 101 or 102 (1 or 2)	5 or 3	
Chem. 132 (32)	3	
Economics 108 (2)	3	
Economics 240 (41)	3	
Economics 248 (43)	3	
English Literature	3	
English Literature	3	
Home Economics 130 (4)	2	
Home Economics 131 (58)	3	
Home Economics 220 (5)	3	
Home Economics 240 (46)	5	
Home Economics 253	3	
Home Economics 345 (47)	3	
Home Economics 350 (48)	4	
Home Economics 355	3	
Management 204 (B.O.O. 24)	3	
Marketing 101 (B.O.O. 2)	3	
Physiology 103 (1c)	4	
Psychology 103 (1c)	4	
Rhetoric 101 (1)	3	
Rhetoric 102 (2)	3	
Rhetoric 151 (10)	2	
Sociology 100 (1)	3	
Speech 101 (1)	3	
Hygiene	2	
Military (for men)	1-1	
Military	1-1	
P. E.	1-1	
P. E.	1-1	

Open Electives:	Credit	Grade
TOTAL HOURS1/		

NOTE: Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in Home Economics 355. This experience would normally come at the end of the second and third years.

1/ 130 hours, inclusive of regular military and P.E., are required for graduation. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

7/26/50
ACA391

Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101--Rhetoric and Composition	3	Rhet. 102--Rhetoric and Composition	3
Botany 100--General Botany. . .	4	Math. 114--Plane Trigonometry	2
Hygiene 101--Health Lectures. .	2	Chem. 101 or 102--General Chemistry	5 or 3
Math. 111 or 112--Algebra . . .	5 or 3	G. E. D. 101--Elements of Drawing	4
Forestry 101--General Forestry.	3	Zoology 104	4
Physical Education.	1	Physical Education.	1
Military Science (for men). . .	1	Military Science (for men). .	1
Total.	17 or 19	Total.	18 or 20

Second Year

Geology 105--Agricultural Geology	3	Agronomy 201--Soils	5
Econ. 108--Elements of Economics	3	Physical Education.	1
C. E. 115--General Surveying. .	3	Military Science (for men). .	1
Physical Education.	1	Electives	11
Military Science (for men). . .	1		
Electives	5 or 7		
Total.	16 or 18	Total.	18

Electives

Chem. 132--Elementary Organic Chemistry.	3
Bot. 130--Plant Physiology	5
Bot. 160--Introductory Systematic Botany	3
Geog. 111--Introduction to Meteorology	3
Physics 101--General Physics (Mechanics, Sound, and Heat). . . .	5
Physics 102--General Physics (Light, Electricity, and Magnetism)	5
Pol. Sci. 150--American Government	3
Speech 101--Principles of Effective Speaking	3

JNS:hp
1-25-51

Preceding Tri-Year Conventions

The orders of the tri-year preceding convention in St. Louis, which was to enter a school of professional training, also no years' advanced standing. The unofficially convention provides a means of study similar to that given for the first two years at a school of theatre. Therefore, at the preceding convention requires a minimum of 6 hours of work in addition to the necessary requirements in military science and physical education. Four training schools are adequate also constantly by instructors and will use every opportunity to be an valuable high grade. Some of them will not accept conventions (period) students where previous to their preliminary study are below 3. A student who wishes to follow this curriculum should devise this preparation in time as possible and can to be assigned to a faculty advisor in the Department of Dramatic. The faculty advisor should be consulted when the choice of electives has called in selecting the particular course of instruction which the individual expects to pursue.

First Year

First Semester	Hours	Second Semester	Hours
Math. 107--Business and Economics	3	Bus. 101--Business and Economics	3
Money 102--General Science	4	Math. 111--Plane Trigonometry	3
Engl. 111--Rhetoric Diction. . .	3	Chem. 101 or 102--General Chemistry	4 or 5
Math. 111 or 112--Algebra . . .	3 or 5	Theatre	4
Theatre 110--General Theatre.	2	Theatre	4
Theatre Elective.	1	Drawing 102	4
Military Science (For men). . .	1	Theatre Elective.	1
		Military Science (For men). .	1
Total.	17 or 19	Total.	17 or 19

Second Year

Theatre 210--Advanced Stage Craft	2	Language 102--Spanish	3
Econ. 200--Elements of Economics	3	Theatre Elective.	2
C. S. 113--General Chemistry. .	4	Military Science (For men). .	1
Theatre Elective.	2	Electives.	11
Military Science (For men). . .	1		
Elective.	4		
Total.	16 or 18	Total.	17

Electives

Econ. 120--Elementary Theory of Consumption.	3
Eng. 113--Stage Speech	3
Eng. 240--Introduction to English Drama	3
Chem. 111--Qualitative Analysis	3
Physics 101--General Physics (Mechanics, Sound, and Heat). . .	5
Physics 102--General Physics (Light, Electricity, and Magnetism)	5
Psy. 101--Elementary Psychology	3
Speech 113--Principles of Effective Speaking	3

A Handbook for Agricultural Students and Their Advisers

By

Robert R. Hudelson, Associate Dean
C. D. Smith, Assistant Dean

University of Illinois College of Agriculture
Urbana, Illinois

1952-53

ACA377 (Rev.)

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Name of Student: _____

Local Address: _____, _____
(Number and Street) (Champaign or Urbana)

Home Address: _____

_____

Name of Faculty Adviser: _____

Office Address: _____ Phone: _____

Office Hours: _____

Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."1/

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944

Table 1, entitled "Job Distribution of Agricultural Graduates, 1930, 1940, and 1950," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.

2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted semester programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Staff and Students.

4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.

5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

Table 1. Job Distribution of Agricultural Graduates in 1930, 1940, and 1950

Occupational Groups	1930 No. 1/	1930 %	1940 No 1/	1940 %	1950 No. 1/	1950 %
EDUCATIONAL						
Coaches	9	.4	5	.3	4	.2
College Teachers	163	7.8	131	7.8	143	5.9
College Administrators	6	.3	9	.5	9	.4
County Agents and Assistants	108	5.0	97	5.8	141	5.8
Extension Specialists and Administrators	35	1.2	54	3.3	31	1.3
High School Teachers	278	13.3	291	17.2	420	17.3
PROFESSIONAL TECHNICIANS						
Agronomists	29	1.4	76	4.5	38	1.6
Animal Husbandmen					14	.6
Bacteriologists	1	0	6	.4	4	.2
Chemists	24	1.2	16	1.0	19	.8
Dairy Husbandmen					6	.2
Economists and Statisticians	14	.7	24	1.4	44	1.8
Engineers	33	1.6	24	1.4	22	.9
Entomologists and Zoologists	13	.6	10	.6	7	.3
(Farm Security Administration			49	2.9	23	.9
(Federal Housing Administration						
Horticulturists	14	.7	5	.3	11	.5
Inspectors	12	.6	19	1.1	18	.7
BUSINESS MANAGERS AND EMPLOYEES						
Business Managers (total)	138	6.7	147	8.7	254	10.4
Dairy Manufacturers					(63)	(2.6)
Fertilizers					(4)	(.2)
Fruit and Vegetables					(3)	(.1)
Grain, Seed, Feed					(40)	(1.6)
Hatcheries					(9)	(.4)
Implements					(23)	(.9)
Livestock Marketing					(9)	(.4)
Meat Packing					(5)	(.2)
Miscellaneous Business Managers					(81)	(3.3)
Produce					(7)	(.3)
Service Companies (oil products)					(10)	(.4)
Business Officers					7	.3
Buyers					23	1.0
Retail Managers					3	.1
Salesmen and Sales Managers					135	5.6
INSURANCE, BANKING, LOAN, REAL ESTATE						
Appraisers	10	.5	16	1.0	15	.6
Banking and Loans	48	2.3	36	2.1	49	2.0
Insurance and Real Estate	56	2.7	45	2.7	54	2.2

Occupational Groups	1930 No.1/	1930 %	1940 No.1/	1940 %	1950 No.1/	1950 %
FARMERS AND FARM MANAGERS						
Total Owners, Tenants, and Partners	517	24.9	288	17.2	588	24.3
Farm Managers					(116)	(4.8)
Owner-Operators					(136)	(5.6)
Partners					(141)	(5.8)
Tenants					(195)	(8.0)
FARM HANDS			3	.2	8	.3
OTHERS						
Army, Navy, Air Force	6	.3	8	.5	25	1.0
Artists and Musicians	8	.4	0	0	0	0
Doctors and Dentists	14	.7	9	.5	11	.5
Florists, Landscape Architects, Nurserymen	157	7.5	36	2.1	81	3.3
Journalists and Advertising	51	2.4	32	1.9	30	1.2
Laborers	2	.1	5	.3	0	0
Lawyers	10	.5	5	.3	11	.5
Ministers	9	.4	6	.4	9	.4
Public Officials	19	.9	9	.5	30	1.2
Retired	2	.1	1	.1	25	1.0
Skilled Tradesmen	3	.1	5	.3	0	0
Students	26	1.0	19	1.1	49	2.0
Unemployed	24	1.1	4	.2	0	0
Veterinarians					5	.2
GENERAL MISCELLANEOUS					55	2.3

1/ Number shown is the number of graduates who replied to questionnaire.

Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 and 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.

3. The basic sciences and, for some fields, mathematics.

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training

but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

Credit for courses in religion, up to ten hours, will be counted toward graduation. Religion credit may be applied toward completion of the humanities requirement in all curricula.

General Agriculture Curriculum
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 consists of all prescribed courses in agriculture except Agronomy 201 (Soils). A minimum of 130 semester hours is required for graduation.

FIRST YEAR

First Semester	Hours	Second Semester	Hours
Bot. 100	4	Chem. 102 or 101	3 or 5
Hygiene 101	2	Rhet. 102	3
Rhet. 101	3	Zool. 104	4
Mil. & P. E.	2	Mil. & P. E.	2
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	17	Total	15 to 18

SECOND YEAR

Chem. 132[1/]	3	Econ. 108	3
Geol. 105	3	Mil. & P. E.	2
Mil. & P. E.	2	Two courses from Group 1	6
Three courses from Group 1	9	Electives	5-6
Total	17	Total	16-17

THIRD AND FOURTH YEARS

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses including those prescribed. The student must also earn a minimum of 12 semester hours of credit in the humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group 1.--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

Courses	Hours
Agr. Econ. 100[2/]--Introductory Agr. Economics	3
Agr. Eng. 101--Introduction to Agr. Engineering	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Horticulture elective	3
TOTAL.	25

Group 2.--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

1/ Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 133 instead of Chem. 132.

2/ Students entering as juniors or seniors should substitute Agr. Econ. 220 or Agr. Econ. 230 for Agr. Econ. 100.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name_____

Date_____

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade
Agr. Econ. 100	3	
Agr. Eng. 101	3	
Agronomy 121	4	
Agronomy 201	5	
An. Sci. 101	3	
An. Sci. 102	3	
Da. Sci. 100	3	
Hort. 100	3	
Forestry 101 or 102 or Hort. elective	3	
Total Hours	30	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

NON-AGRICULTURE PRESCRIBED:		
Botany 100	4	
Chemistry 101 or 102	5-3	
Chemistry 132	3	
Economics 108	3	
Geology 105	3	
Hygiene	2	
Rhetoric 101	3	
Rhetoric 102	3	
Zoology 104	4	
Military	1	
Military	1	
Military	1	
Military	1	
P.E.	1	
P.E.	1	
P.E.	1	
P.E.	1	

HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: art, econ., Eng., for. lang., geog., hist., journ., land. arch., law, music, phil., pol. sci., psych., religion, soc., and speech.

	credit	grade

Earned:

To be earned:

OPEN ELECTIVES:		

TOTAL HOURS

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. As a rule, new graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser's position after five years' experience.

Agricultural Courses:	Hours
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 208--Agricultural Extension: Summer Training (S)	2
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3

Other Courses:	
English or American Literature	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
History	3
Philosophy 101, 102, 103, 104, or 105	2-4
Political Science 150--American Government (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Recreation 270--Social Recreation Activities (I, II)	2
Recreation 273--Recreation in Rural Areas (II)	2
Sociology 100--Principles of Sociology (I, II) or,	3
Sociology 277--Rural Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio, advertising, sales, public relations, college editorial work and other fields requiring training both in agriculture and journalism. Non-major students may find the writing practice in Agriculture 114 useful in preparation of reports for other courses and in a professional field where some writing or preparation of reports is required.

Agricultural Courses:	Hours
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 215--Advanced Agricultural Information Methods (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Other agriculture courses chosen in line with the student's field of interest.	

Journalism Courses:	
Journalism 204--Typography (I, II)	2
Journalism 211 or 212--Reporting or Reporting Practice (I, II)	3
Journalism 223--Press Photography (I, II)	3
Journalism 227--Magazine Article Writing (I, II)	3
Journalism 263--Radio Announcing (I, II)	2
Journalism 281--Introduction to Advertising (I, II)	3
Journalism 321--Copyreading (I, II)	4
Journalism 382--Advertising Copy and Layout (I, II)	4

Other Courses:	
Philosophy 103--Ethics and Social Policy (I)	4
Political Science 150--American Government (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Psychology 150--Personality and Social Behavior (I, II)	3
Psychology 255--Social Psychology (I, II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

Agricultural Courses:	Hours
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 378--Consumers and the Market (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

Agricultural Courses:	Hours
Animal Science 103--Breeds and Market Classes of Livestock (I)	5
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (II)	3
One or more of the following:	
Animal Science 206--Light and Heavy Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (I, II)	3 or 4
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 332--Livestock Marketing (II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

Other Courses:

Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

Agricultural Courses:	Hours
Dairy Science 104--Dairy Cattle Judging (I, II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 201--Reproduction, Genetics, and Improvement of Dairy Cattle (I)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

Agricultural Courses:	Hours
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 324--Principles of Field Plot Experimentation (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:	Hours
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (II) or Dairy Science 311--Problems in Dairy Farming (I)	3
Forestry 102--Farm Forestry (I, II)	3
Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Business English 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.

Agricultural Courses:	Hours
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Destructive and Useful Insects (I, II) or	3
Entomology 103--Life of Insects (II)	4

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

Agricultural Courses:	Hours
Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Advanced Gas and Diesel Engines and Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment, and Management of Farm Machinery (summers only)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 324--Farm Operation (II)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H, and other rural youth work, rural pastorships1/, rural social welfare work, rural recreation, rural library work, foreign service2/, etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

Agricultural Courses:	Hours
Agr. Economics 177--Farmers' and Rural Organizations (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 273--Recreation in Rural Areas (II)	2
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II) or Home Economics 377--Home Economics Extension (II)	3

Other Courses:	
Anthropology 107--Introduction to Anthropology (I, II)	3
Economics 216--State and Local Taxation in Illinois (I)	3
**Political Science 310--Rural Local Government (I or II)	3
**Psychology 100--Introduction to Psychology (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Recreation 270--Social Recreation Activities (I, II)	2
**Sociology 100--Principles of Sociology (I, II)	3
Sociology 320--Social Roles (I or II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

1/ Pre-theological majors are advised to include among their electives the courses marked **; at least two courses from English 101, 102, 121, or 122; at least one course from History 111, 112, 352, or 361; and Philosophy 101 or 102. If you plan to enter a particular seminary, check as to courses required for admission.

2/ A student who is preparing for foreign service may wish to take Agr. Economics 211, Agricultural Economies of Latin American Countries, or Anthropology 361, Ethnology of Middle America, or a similar course related to the country in which he expects to work.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

Agricultural Courses:	Hours
Horticulture 162--Small Fruit Culture (II)	3
Horticulture 204--Spraying (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	3
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

Agricultural Courses:	Hours
Horticulture 308--Vegetable and Canning Crop Diseases (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	3
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 343--Structure and Classification of Vegetable Crop Plants (II, alternate years)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5

General Agriculture Curriculum With Major in Teacher Training
(for the degree, Bachelor of Science in Agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100-General Botany	4	Chem. 101 or 102-General Chemistry	5 or 3
Hygiene 101 or 104	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	17	Total	15 to 18

Second Year

Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Structures and Soil and Water Conservation	3
Educ. 101-The Nature of the Teaching Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group 1	6	Two courses from Group 1	6
Total	16	Total	17

Third Year

Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
		Hist. 152-History of U. S.	3
Agricultural Electives	3 to 6	Agricultural Electives	6
Total	15 to 18	Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276-Practice in Agr. Education	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)2/	11-17
Agr. Eng. 201 or Da. Sci. 204 1/ or other Agr. Elective	2 or 3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. 130

1/ Da. Sci. 204 offered second semester only.
2/ A total of six hours of humanities is necessary for certification.

Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum.

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Hort. elective	3
Total	22

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311-Psych. of Learning for Teachers	1/2	Two of the following courses:	
Educ. 312-Mental Hygiene and the School	1/2	Educ. 301-Philos. of Educ.	1/2
Electives	1	Educ. 302-Hist. of Am. Educ.	1/2
		Educ. 303-Comparative Educ.	1/2
		Educ. 304-Social Foundations of Education	1/2
		Electives	1
Total	4	Total	4

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the Degree, Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade	AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade	
Agr. Econ. 100	3					Earned:
Agr. Econ. 220	3					
Agr. Eng. 111	3					To be earned:
Agr. Eng. 112	3					
Agron. 121	4					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Agron. 201	5					
An. Sci. 101	3					
An. Sci. 102	3					
Da. Sci. 100	3					
Hort. 100	3					
Forestry 101 or 102, or Hort. elective	3					
Total	36					
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany 100	4		History 152	3		
			Pol. Sci. 150	3		
Chemistry 101 or 102	5-3					
Chemistry 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics 108	3		Psychol. 100	4		
Geology 105	3		Humanities electives (Art, music, lang., lit., psych., phil., religion)			
Rhetoric 101	3					
Rhetoric 102	3		EDUCATION COURSES PRESCRIBED:			
Speech 101	3		Education 101	2		
			Education 201	2		
Zoology 104	4		Education 211	3		
			Education (6b) 240	2		
Hygiene	2		Agr. Educ. (50) 276	5		
Military	1		Agr. Educ. (51) 277	5		
Military	1					
Military	1		OPEN ELECTIVES:			
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the general agriculture curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class and students transferring to the curriculum must have a scholastic average in collegiate work not less than 3.5 in terms of the grading system of the University of Illinois.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 2/
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 1/	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 1/	16
Electives, Unrestricted	22	35
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

2/ Students in Option II must include at least 8 semester hours in Economics.

Agricultural Science Curriculum - Option I

Sample program for first year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry 1/	2
Math. 111 or 112-College Algebra 1/	5 or 3	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Electives	3 to 6
Electives	0 to 5		
Total	15 to 18	Total	15 to 18

Second, Third, and Fourth Years

The programs for the second, third, and fourth years should be planned in consultation with the faculty adviser.

Total required for graduation. 130

1/ The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Date_____ Name_____
Option and field selected_____

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.
Option I--For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	credit	grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

GROUP III--Social Sciences (Econ., geog., hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.*

GROUP IV--Biological Sciences (Bact.,bot., entom., physiol., zool.) Option I--Minimum of 10 hrs*; Option II--Minimum of 6 hrs.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs*; Option II--Minimum of 16 hrs.

Open Electives:

Total hours earned_____

* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P. E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.

Agriculture and Agricultural Engineering Curricula
5-Year Combined Programs
(for the degrees, Bachelor of Science in Agriculture
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science Degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters. It is essential that a sequence in mathematics, physics, mechanics and design courses be followed along with agricultural courses to carry out this program. Students interested in this plan should observe the following procedure:

1. Enroll in the College of Agriculture for three years; then transfer to the College of Engineering for 2 years.

2. Follow the "Common Program for Freshmen" as set up for freshmen in Engineering, during the first year. Programs for subsequent years must be planned very carefully with the assistance of an adviser from the Agricultural Engineering Department.

3. Decide between the Agricultural Science Curriculum and the General Agriculture Curriculum. Courses in Mathematics, Physics, Theoretical and Applied Mechanics, Agricultural Engineering and Design must be taken in proper sequence each semester along with 3 to 5 hours of the Agriculture Curriculum requirements. Some courses in the Agricultural Engineering program must necessarily be deferred.

4. By the beginning of the third year, choose between the Machinery and Power option and the Farm Structures, Soil and Water Engineering option of the Agricultural Engineering Curriculum in the College of Engineering.

(a) Agricultural Science Curriculum: Option I (See Page 22)

16	hours general University requirements Rhet., Hyg., Mil., and P.E.
35	hours agriculture courses (including 18 hours Agr. Eng.)
6	hours humanities
6	hours social science (including Econ. 108)
10	hours biological science (including Bot. 100)
35	hours physical science (Chem., Math., Physics, Geol.)
22	hours elective (G.E.D., T.A.M.)
130	total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements with the exception of major option courses as follows: (1) Machinery and Power: 8 hours electrical engineering and 23 hours mechanical engineering, for a total of 31 hours. (2) Farm Structures, Soil and Water Engineering: 4 hours fluid mechanics, 3 hours electrical engineering, and 24 hours civil engineering, for a total of 31 hours. This makes a requirement for both degrees of 161 hours, in either option.

Agriculture and Agricultural Engineering Curricula--Continued

(b) General Agriculture Curriculum: (See Page 7)

29 hours agriculture prescribed (including Agr. Econ., Agronomy, An. Sci., etc.)
21 hours agriculture electives (including Agr. Eng.)
35 to 37 hours non-agriculture prescribed (including Bot., Geol., Rhet., Mil., Zool., etc.)
12 hours humanities and social studies
33 to 31 hours electives (including Math., G.E.D., Phys., etc.)
130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements, with the following exceptions: (1) Machinery and Power: 5 hours additional theoretical and applied mechanics, 8 hours electrical engineering, and 23 hours mechanical engineering. (2) Farm Structures, Soil and Water Engineering: 9 hours additional theoretical and applied mechanics, 3 hours electrical engineering, and 24 hours civil engineering. In each option the additional requirement is 36 hours, making a total for both degrees of 166 hours.

Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 22). Students following this program should ask to be assigned an adivser for the six-year program in Agriculture and Law.

SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM
(for the degree, Bachelor of Science in Agriculture)

(Six semestersin agriculture--six semesters in law)

A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	
		16

B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 100	3	
		36

C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	
		6

SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM--Continued

Group III Courses		
Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	
		16
Law courses (to be taken in fourth year)	13	
Group IV Courses		
Zoology 104, or Botany 100	4	
Entomology 101	3	
		7
Group V Courses		
Chemistry 101 and 132	8	
Geology 105	3	
Math. Electives	5	
		16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	
		6

Total hours in three years.	103
Law courses to complete requirement for degree.	27
Total Required for Degree in Agriculture.	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.

Dairy Technology Curriculum
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in dairy technology are expected to take an inspection trip either in the junior or senior year. This trip costs the student about $35.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Introduction to Dairy Production	3
Math. 111 or 112-College Algebra	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	13 to 17	Total	15

Second Year

First Semester	Hours	Second Semester	Hours
Bact. 104-Introductory Bacteriology	5	Chem. 122-Elementary Quantitative Analysis	5
Da. Tech. 101-Introduction to Dairy Technology	3	Da. Sci. 150-General Dairy Bacteriology	2
Da. Tech. 103-Dairy Products Judging	1	Da. Sci. 151-General Dairy Bacteriology	3
Econ. 108-Elements of Economics	3	Da. Tech. 104-Dairy Products Judging	1
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	3	Electives	3
Total	17	Total	16

Third Year

Chem. 133-Elementary Organic Chemistry	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Manufacture	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	2 or 3	Total	17
Total	18 or 19		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total Required for Graduation. 130

Unit Operations Curriculum

[for the Chemical Industry or Science in Industry Technology]

This curriculum is for students interested in the technical or marketing aspects of chemical manufacturing. All students specializing in chemical technology are required to take an introductory trip outside to the plants in Kanawha Valley. This will be the summer after the sophomore year.

Freshman

First Semester	Credit	Second Semester	Credit
Comm. 101 or Speech 1		Comm. 102 (Technical Speaking) or Speech 2	
Chemistry	3 or 4	and Qualitative Analysis	
Engineering Graphics (Drawing)	3	Eng. 101, Introduction to Engineering	
Math. 111 or 112 (Calculus)		Math. Elective	
Physics	3 or 4	Phys. 112 (Electricity and Magnetism)	
Chem. 101 (Chemistry and Chem. Principles)	3	Chem. 102 (Inorganic and Chem. Principles)	3
Physical Education	1	Physical Education	1
Military Science	1	Military Science	1
Total	17 or 18	Total	17

Sophomore

First Semester	Credit	Second Semester	Credit
Chem. 201 (Organic Chemistry)		Chem. 202 (Organic Chemistry)	
Qualitative		Chem. Analysis	
Chem. 211 (Physical Chemistry)	3	Chem. 212 (Physical Chemistry)	3
Chem. Laboratory Practice		Chem. Laboratory Practice	
Math. 211 (Calculus)		Math. 212 (Calculus)	
Physics	3	Physics	3
Chem. 111 (Chemical Engineering Principles)	3	Chem. 112 (Chemical Engineering Principles)	3
Engineering Mechanics	3	Engineering Mechanics	3
Military Science	1	Military Science	1
Physical Education	1	Physical Education	1
Total	17	Total	17

Junior Year

First Semester	Credit	Second Semester	Credit
Chem. 311 (Chemical Engineering Principles)		Chem. 312 (Chemical Engineering Principles)	
Chemistry	3	Chemistry	
Eng. 311 (Strength of Materials)		Eng. 312 (Strength of Materials)	
Eng. 321 (Electric Circuits)		Eng. 322 (Electric Circuits)	
Engineering Electronics		Engineering Electronics	
Economics (Econ. 101 and Econ. 102)		Economics (Econ. 101 and Econ. 102)	
Electives		Electives	
Total	17 or 18	Total	17

Senior Year

First Semester	Credit	Second Semester	Credit
Eng. 411 (Thermodynamics)		Eng. 412 (Thermodynamics)	
Chemistry		Chemistry	
Chemistry		Chemistry	
Chemistry		Chemistry	
Chemistry		Chemistry	
Total	17	Total	17

Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours in courses offered by the College of Agriculture is required in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

Suggested Group I electives:	Hours
Agr. Econ. 334--Marketing Dairy Products (II)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Sci. 380--Composition of Dairy Products (I)	3
Da. Tech. 308--Plant Management (II)	3
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Home Econ. 120--Elementary Nutrition (I, II)	2
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

Suggested Group II electives:	
Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

Suggested Open electives:	
Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	2

UNIVERSITY OF ILLINOIS
Curriculum in DAIRY TECHNOLOGY

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

Prescribed Courses	Hours	Grade
Accy. 201	3	
Bact. 104-105	3-2	
Chem. 101 or 102	5-3	
Chem. 105	5	
Chem. 122	5	
Chem. 133	5	
Da. Sci. 100	3	
Da. Sci. 150	2	
Da. Sci. 151	2	
Da. Tech. 101	3	
Da. Tech. 103	1	
Da. Tech. 104	1	
Da. Tech. 301	3	
Da. Tech. 302	3	
Da. Tech. 303	3	
Da. Tech. 304	3	
Da. Tech. 306	3	
Econ. 108	3	
Math. 111 or 112	5 or 3	
Math. 114	2	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics 101	5	
Physics 102	5	
Rhetoric 101	3	
Rhetoric 102	3	

Group 1--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.

	Hours	Grade

Group 2--Minimum of 12 hours selected from Art, Econ., Engl., For. Lang., Geog., Hist., Journ., L. Arch., Law, Music, Philos., Pol. Sci., Psych., Sociol., Speech

	Hours	Grade

Open Electives

	Hours	Grade

Group 1 Hours earned: _____

Hours to be earned: _____

Group 2 Hours earned: _____

Hours to be earned: _____

TOTAL HOURS EARNED: _____

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.

A minimum average of 3.0 is required for graduation.

Floriculture Curriculum
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about $25.

First Year

First Semester	Hours	Second Semester	Hours
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry	3
Chem. 101 or 102-General Chemistry	5 or 3	Entom. 101 and 102-Destructive and Useful Insects	5
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	3 to 5
Military (men)	1		
Total	17 to 19	Total	16 to 18

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory Systematic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Floricultural Crops	3	Hort. 224-Commercial Floricultural Crops	3
Hort. 317-Plant Pathology	3	Hort. 230-Garden Flowers	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
Total	15 to 18	Total	15 to 18

Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

Group 2--A minimum of four hours is required in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	Hours
Agron. 323-Improvement of Farm Crops by Breeding (I)	3
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 204-Spraying (II, alternate years)	3
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort. 382-Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 271-Salesmanship (I, II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	2

UNIVERSITY OF ILLINOIS
Curriculum in FLORICULTURE

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

Prescribed Courses	CREDIT	GRADE
Accy. 101	3	
Accy. 105	3	
Agron. 201	5	
Bot. 100	4	
Bot. 130	5	
Bot. 160	3	
Chem. 101 or 102	5-3	
Chem. 132	3	
Econ. 108	3	
Entom. 101	3	
Entom. 102	2	
Geol. 105	3	
Hort. 121	3	
Hort. 122	3	
Hort. 223	3	
Hort. 224	3	
Hort. 226	3	
Hort. 230	3	
Hort. 231	3	
Hort. 232	3	
Hort. 317	3	
Hort. 321	3	
Hort. 322	3	
L. Arch. 164	3	
L. Arch. 251	3	
L. Arch. 252	3	
Rhet. 101	3	
Rhet. 102	3	
Hyg.	2	
Mil.	1	
Mil.	1	
Mil.	1	
Mil.	1	
P. E.	1	
P. E.	1	

Group 2	CREDIT	GRADE
Minimum 4 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Philos., Pol. Sci., Psych., Rhet., Sociol., Speech		
Open Electives		

SUMMARY

Group 2

Earned _____

To be earned _____

TOTAL HOURS

Earned _____

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.

A minimum average of 3.0 is required for graduation.

Food Technology Curriculum
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is $35.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	D.G.S. 112-Verbal Communication	4
Math. 117-Combined Freshman Mathematics[1]	5	Math. 127-Combined Freshman Mathematics[1]	4
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Total	14 or 16	Total	17

Second Year

Chem. 122-Elementary Quantitative Analysis	5	Chem. 133-Elementary Organic Chemistry	5
Math. 137-Calculus[2]	3	Math. 147-Calculus[2]	3
Physics 103-General Physics (Mechanics, Heat, and Sound)	5	Physics 104-General Physics (Elec., Magnetism, Light, and Modern Physics)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	4
Total	17	Total	17

Third Year

Bact. 104-Introductory Bacteriology	5	Bact. 308-Food and Applied Bacteriology	5
Chem. 247-Elementary Physical Chemistry[3]	4	Chem. 249-Chemistry of Colloids[3]	3
F. T. 201-Elements of Food Technology	3	F. T. 202-Elements of Food Technology	3
F. T. 260-Raw Materials for Processing	4	Electives	6
Total	16	Total	17

Fourth Year

First Semester	Hours	Second Semester	Hours
Chem. 350-Biochemistry	5	Chem. 329-Food Analysis	5
F. T. 301-Food Processing	4	F. T. 206-Inspection Trip	0
F. T. 363-Unit Operations in Food Technology	3	F. T. 302-Food Processing	4
Electives	4	F. T. 332-Principles of Sanitation in the Processing and Handling of Foods	5
		Electives	5
Total	16	Total	16

Humanities and Social Studies Electives

A minimum of 15 hours shall be selected from courses in art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). 130

A minimum average of 3.0 is required for graduation.

1/ The student lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

2/ The student who follows the algebra, trigonometry, analytic geometry sequence will take Math 132-Calculus and Math. 142-Calculus.

3/ Students adequately qualified may substitute Chem. 240 and Chem. 342-Elementary Physical Chemistry for Chem. 247 and Chem. 249.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name_____
Date_____

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:	credit	grade
Bact. 104 & 105	3 & 2	
Bact. 308	5	
Botany 100	4	
Chem. 101 or 102	5 or 3	
Chem. 105	5	
Chem. 122	5	
Chem. 133	5	
Chem. 247 1/	4	
Chem. 249 1/	3	
Chem. 329	5	
Chem. 350	5	
D. G. S. 111	4	
D. G. S. 112	4	
F. T. 201	3	
F. T. 202	3	
F. T. 206	0	
F. T. 260	4	
F. T. 301	4	
F. T. 302	4	
F. T. 332	2	
F. T. 363	3	
Mathematics 117 2/	5	
Mathematics 127	4	
Mathematics 137	3	
Mathematics 147	3	
Physics 103	5	
Physics 104	5	
Hygiene	2	
Military	1-1	
Military	1-1	
P. E.	1-1	
P. E.	1-1	

HUMANITIES AND SOCIAL STUDIES--
Minimum of 15 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

Earned:

To be earned:

OPEN ELECTIVES:

TOTAL HOURS

1/ Students adequately qualified may substitute Chem. 240 and Chem. 342, Elementary Physical Chemistry, for Chem. 247 and Chem. 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 112, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree.
A minimum average of 3.0 is required for graduation.

Restaurant Management Curriculum
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for men and women who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry; or Electives[1]	5 or 3	Chem. 101 or 102-General Chemistry; or Electives[1]	5 or 3
Hygiene 101-Health Lectures	2	Psych. 103-Human Behavior	4
Physiol. 103-Intro. to Human Physiology	4	Rhet. 102-Rhetoric and Composition	3
Rhet. 101-Rhetoric and Composition	3	Speech 101-Principles of Effective Speaking	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	14 to 16	Total	15 to 17

Second Year

Chem. 132-Elementary Organic Chemistry	3	Bact. 104-Introductory Bacteriology	5
English Literature	3	Econ. 108-Elements of Economics	3
Home Econ. 130-Introduction to Foods and Nutrition	2	English Literature	3
Soc. 100-Principles of Sociology	3	Rhet. 151-Business Letter Writing	2
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	2 to 4	Electives	0 to 3
Total	15 to 17	Total	15 to 18

1/ Students taking Chem. 101 or 102 the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101 or 102 the second semester.

Third Year

First Semester	Hours	Second Semester	Hours
Accy. 101-Principles of Accounting; or Accy. 201-Fundamentals of Accounting[2]	3	Accy. 105-Accounting Procedure[2]; or Electives	3
An. Sci. 104-Selection and Use of Meats	2	Econ. 248-Personnel Administration	3
Bus. Law 261-Summary of Business Law	3	Home Econ. 220-Dietetics	3
Econ. 240-Labor Problems	3	Home Econ. 240-Quantity Cookery	5
Home Econ. 131-Foods	3	Mktg. 101-Principles of Marketing	3
Electives	2 or 3		
Total	16 or 17	Total	17

Fourth Year

Accy. 265-Hotel Accounting	3	Home Econ. 253-Restaurant Interior	3
Home Econ. 345-Institution Management	3	Home Econ. 350-Institution Dietaries and Administration	4
Electives	10 to 12	Home Econ. 355-Advanced Quantity Cookery and Catering	3
		Mgmt. 204-Industrial Purchasing	3
		Electives	2 to 5
Total	16 to 18	Total	15 to 18

Total required for graduation. 130

NOTE: Two summers (a minimum of eight weeks each) or equivalent of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience normally should come at the end of the second and third years.

2/ Students who elect Accy. 101 must also take Accy. 105.

CHECK SHEET
for degree, B.S. in Restaurant Management

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE
Office of Associate Dean

NAME _____
DATE _____

PRESCRIBED COURSES	CREDIT	GRADE
Accy. 101 & 105	3-3	
or Accy. 201	3	
Accy. 265	3	
Animal Sci. 104	2	
Bact. 104	5	
Bus. Law 261	3	
Chem. 101 or 102	5-3	
Chem. 132	3	
Econ. 108	3	
Econ. 240	3	
Econ. 248	3	
Engl. Lit.(total of	3-4	
Engl. Lit.(6 hours	3-2	
Home Econ. 130	2	
Home Econ. 131	3	
Home Econ. 220	3	
Home Econ. 240	5	
Home Econ. 253	3	
Home Econ. 345	3	
Home Econ. 350	4	
*Home Econ. 355	3	
Hygiene 101	2	
Management 204	3	
Marketing 101	3	
Military (for men)	1-1	
Military (for men)	1-1	
P. E. M. or P. E. W.	1-1	
P. E. M. or P. E. W.	1-1	
Physiol. 103	4	
Psych. 103	4	

PRESCRIBED	CREDIT	GRADE
Rhet. 101	3	
Rhet. 102	3	
Rhet. 151	2	
Soc. 100	3	
Speech 101	3	
*Summer Practice 1	0	
*Summer Practice 2	0	
OPEN ELECTIVES:		

AVERAGE (Minimum of 3.0 required for graduation)	TOTAL HOURS (130 hours, including PE and Mil., required)

*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.

Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

First Year

First Semester	Hours	Second Semester	Hours
Botany 100-General Botany	4	Chem. 101 or 102-General Chemistry	5 or 3
Forestry 101-General Forestry	3	G. E. D. 101-Elements of Drawing	4
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhetoric and Composition	3
Rhet. 101-Rhetoric and Composition	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	17 or 19	Total	18 or 20

Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
Total	16 to 18	Total	18

Electives

Bot. 130-Plant Physiology	5
Bot. 160-Introductory Systematic Botany	3
Chem. 132-Elementary Organic Chemistry	3
Geog. 111-Introduction to Meteorology	3
Physics 101-General Physics (Mechanics, Sound, and Heat)	5
Physics 102-General Physics (Light, Electricity, and Magnetism)	5
Pol. Sci. 150-American Government	3
Speech 101-Principles of Effective Speaking	3

A Handbook for Agricultural Students and Their Advisers

By

C. D. Smith, Assistant Dean

University of Illinois College of Agriculture
Urbana, Illinois

1953-54

~~ACASTT~~ (Rev.)

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Name of Student: _____

Local Address: _____, _____
(Number and Street) (Champaign or Urbana)

Home Address: _____

_____

Name of Faculty Adviser: _____

Office Address: _____ Phone: _____

Office Hours: _____

Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."1/

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944

The table on the following pages shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held in 1950 by graduates. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.

2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted semester programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Staff and Students.

4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.

5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 157 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950

Job title	Graduates				Years since graduation				
	No.	% of total	No. reporting	Average salary	1-10	11-20	21-30	31-40	41-50
EDUCATIONAL WORKERS									
College Teachers (total)	143	5.61	115	$5,918	46	29	37	29	2
Grad. Assistants	22	.86	-	-	21	1	-	-	-
Instructors	17	.67	16	4,536	8	5	3	1	-
Assistant Professors	30	1.18	27	4,922	11	9	8	2	-
Associate Professors	21	.82	20	5,685	3	6	11	1	-
Professors	53	2.08	52	6,951	3	8	15	25	2
College Administrators	9	.35	8	8,035	1	2	3	3	-
County Agents (Farm Advisers)	92	3.61	89	5,345	22	33	21	16	-
Asst. County Agents & Youth Advisers	49	1.92	49	3,520	47	2	-	-	-
Extension Specialists & Directors	29	1.14	29	5,666	6	7	8	8	-
High School Teachers	431	16.92	391	4,356	233	81	87	30	-
Total Educational Workers	753	29.56	681	4,788	355	154	156	86	2
PROFESSIONAL TECHNICIANS									
Agronomists (total)	101	3.97	95	5,142	39	27	23	12	0
Soil Conservation Service	53	2.08	50	4,453	23	15	11	4	0
Soils	26	1.02	24	5,584	8	5	9	4	0
Crops	22	.86	21	6,278	8	7	3	4	0
Animal Husbandmen	20	.79	16	4,938	14	4	2	0	0
Chemists and Bacteriologists	24	.94	19	6,355	10	4	7	3	0
Dairy Husbandmen	17	.67	16	4,010	12	4	0	1	0
Economists & Statisticians	49	1.92	47	6,897	18	14	13	4	0
Engineers (Agr. & Others)	22	.86	19	5,096	8	4	5	5	0
Entomologists & Zoologists	9	.35	8	5,980	0	2	6	0	1
Farmers Home Administration	23	.90	20	4,881	8	8	4	3	0
Horticulturists	10	.39	7	6,209	2	1	5	2	0
Inspectors (Grain, Seed, & Feed)	18	.71	16	4,653	8	5	4	1	0
Total Professional Technicians	293	11.50	263	5,463	119	73	69	31	1
FARMERS & FARM MANAGERS									
Farmers (total)	540	21.20	264	6,162	213	139	99	74	15
Owner-Operators	195	7.66	71	7,787	18	30	72	61	14
Partnerships	143	5.61	81	5,450	90	38	12	3	0
Tenants	194	7.62	106	5,851	97	71	15	10	1
Farm Hands	8	.31	6	2.033	8	0	0	0	0
Farm Managers	113	4.44	96	5,000	49	34	16	10	4
Total Farmers & Farm Managers	653	25.64	360	5,852	262	173	115	84	19

JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950 - cont.

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. reporting	Average salary	1-10	11-20	21-30	31-40	41-50
BUSINESS & INDUSTRY									
Managers and Supervisors	233	9.15	208	$8,148	73	75	58	24	3
Agriculture Cooperatives	18	.71	18	6,207	8	4	5	1	0
Dairy Manufactures	65	2.55	57	8,529	19	26	15	5	0
Fruits, Vegetables, & Produce	17	.67	13	6,336	8	4	1	4	0
Grain, Seed, Feed, Fertilizer	50	1.96	45	9,288	14	15	16	4	1
Hatcheries	11	.43	7	6,641	3	6	1	1	0
Livestock Marketing & Meat Packing	16	.63	16	4,108	7	2	4	2	1
Machinery, Equipment, & Service	53	2.08	49	8,629	14	17	15	6	1
Miscellaneous Business & Service	3	.12	3	20,500	0	1	1	1	0
Salesmen & Sales Managers	176	6.91	153	6,378	84	38	31	19	4
Agricultural Chemicals	8	.31	8	6,388	5	3	0	0	0
Dairy Products	16	.63	14	6,700	8	7	1	0	0
Feed	18	.71	16	5,351	12	3	2	1	0
Fertilizer	20	.79	18	4,703	12	4	3	1	0
Grain, Grain Products, & Seed	20	.79	19	6,169	8	5	5	1	1
Insurance	48	1.88	36	7,510	24	8	6	8	2
Livestock Products (Meat, Eggs)	8	.31	8	4,510	8	0	0	0	0
Machinery & Equipment	21	.82	18	7,683	5	5	6	4	1
Miscellaneous Products & Equipment	17	.67	16	6,164	2	3	8	4	0
Owners & Operators, Miscellaneous, Non-Agricultural Businesses	31	1.22	23	12,470	3	6	6	15	1
Florists, Nursery, & Landscaping	82	3.22	58	7,488	16	30	20	15	1
Farm Loans & Appraisal	47	1.85	47	5,773	8	21	7	11	0
Bank Officials	16	.63	15	9,685	2	3	6	5	0
Real Estate & Loan Agents	11	.43	8	9,512	1	0	6	4	0
Journalism, Radio & Advertising	37	1.45	29	8,570	11	8	10	8	0
Public Relations	9	.35	9	8,581	2	2	4	0	1
Laboratory Technicians	8	.31	8	2,981	7	0	1	0	0
Total Business & Industry	650	25.52	558	7,588	207	183	149	101	10
MISCELLANEOUS PROFESSIONS & OTHERS									
Doctors & Dentists	11	.43	-	-	1	3	3	3	1
Veterinarians	5	.20	-	-	5	0	0	0	0
Lawyers	11	.43	-	-	7	1	2	1	0
Ministers & Missionaries	11	.43	7	4,200	3	1	5	2	0
Public Officials (Government)	42	1.65	35	5,989	7	5	18	11	1
Army, Navy, and Air Force	22	.86	19	6,009	9	10	2	1	0
Students (Graduate & Professional)	46	1.81	-	-	42	2	2	0	0
Retired & Disabled	26	1.02	-	-	2	0	3	19	2
General Miscellaneous	24	.94	18	4,362	10	6	5	3	0
Totals	198	7.77	79	5,465	85	28	40	40	4
GRAND TOTAL	2,547	99.99	1,941	$ 5,909	1,029	611	529	342	36

Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 and 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.

3. The basic sciences and, for some fields, mathematics.

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics, and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

Credit for courses in religion, up to ten hours, will be counted toward graduation. Religion credit may be applied toward completion of the humanities requirement in all curricula.

General Agriculture Curriculum
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group I consists of all prescribed courses in agriculture. A minimum of 130 semester hours is required for graduation.

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100--General Botany	4	Chem. 101 or 102--General Chem.	5 or 3
Hygiene 101--Health Lectures	2	Rhet. 102--Rhetoric and Comp.	3
Rhet. 101--Rhetoric and Comp.	3	Zool. 104--Elem. Zoology	4
Mil. & P. E.	2	Mil. & P. E.	2
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	15 to 18

Second Year

Chem. 132--Elem. Org. Chem.1/	3	Econ. 108--Elem. of Econ.	3
Geol. 105--Agric. Geology	3	Mil. & P. E.	2
Mil. & P. E.	2	Two courses from Group I	6
Three courses from Group I	9	Electives	5 or 6
	17		16 or 17

Third and Fourth Years

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses, including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group I.--Required agriculture courses:

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics2/	3
Agr. Eng. 101--Introduction to Agr. Engineering	3
Agronomy 121--Crop Production	4
Agronomy 201--Soils	5
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Horticulture elective	3
TOTAL.	30

Group II.--Humanities and social studies. Minimum of 12 semester hours to be selected from the following fields: art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

1/ Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 133 instead of Chem. 132.

2/ Students entering as juniors or seniors should substitute Agr. Econ. 220 or 230 for Agr. Econ. 100.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible

	Credit	Grade
Agr. Econ. 100	3	
Agr. Eng. 101	3	
Agronomy 121	4	
Agronomy 201	5	
An. Sci. 101	3	
An. Sci. 102	3	
Da. Sci. 100	3	
Hort. 100	3	
Forestry 101 or 102 or Hort. elective	3	
Total Hours	30	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours

Credit	Grade

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

NON-AGRICULTURE PRESCRIBED:

Botany 100	4	
Chemistry 101 or 102	5-3	
Chemistry 132	3	
Economics 108	3	
Geology 105	3	
Hygiene	2	
Rhetoric 101	3	
Rhetoric 102	3	
Zoology 104	4	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: art, econ., Eng., for. lang., geog., hist., journ., land. arch., law, music, phil., pol. sci., psych., religion, soc., and speech.

credit	grade

Earned:

To be earned:

OPEN ELECTIVES:

TOTAL HOURS

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. As a rule, new graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser's position after five years' experience.

Agricultural Courses:	Hours
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 208--Agricultural Extension: Summer Training (S)	2
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3

Other Courses:	
English or American Literature	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
History	3
Philosophy 101, 102, 103, 104, or 105	2-4
Political Science 150--American Government: Organ. & Powers (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Recreation 270--Social Recreation Activities (I, II)	2
Recreation 273--Recreation in Rural Areas (II)	2
Sociology 100--Principles of Sociology (I, II) or,	3
Sociology 277--Rural Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio, advertising, sales, public relations, college editorial work and other fields requiring training both in agriculture and journalism. Non-major students may find the writing practice in Agriculture 114 useful in preparation of reports for other courses and in a professional field where some writing or preparation of reports is required.

Agricultural Courses:	Hours
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 215--Advanced Agricultural Information Methods (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Other agriculture courses chosen in line with the student's field of interest.	

Journalism Courses:	
Journalism 204--Typography (I, II)	2
Journalism 211 or 212--Reporting or Reporting Practice (I, II)	3
Journalism 223--Press Photography (I, II)	3
Journalism 227--Magazine Article Writing (I, II)	3
Journalism 263--Radio Announcing (I, II)	2
Journalism 281--Introduction to Advertising (I, II)	3
Journalism 321--Copyreading (I, II)	4
Journalism 382--Advertising Copy and Layout (I, II)	4

Other Courses:	
Philosophy 103--Ethics and Social Policy (I)	4
Political Science 150--American Government: Organ. & Powers (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Psychology 150--Personality and Social Behavior (I, II)	3
Psychology 255--Social Psychology (I, II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

Agricultural Courses:	Hours
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 378--Consumers and the Market (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

Agricultural Courses:	Hours
Animal Science 103--Breeds and Market Classes of Livestock (I)	5
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (II)	3
One or more of the following:	
Animal Science 206--Light and Heavy Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (I, II)	3 or 4
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 332--Livestock Marketing (II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

Other Courses:

Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

Agricultural Courses:	Hours
Dairy Science 104--Dairy Cattle Judging (I, II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 201--Reproduction, Genetics, and Improvement of Dairy Cattle (I)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

Agricultural Courses:	Hours
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 324--Principles of Field Plot Experimentation (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:	Hours
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (II) or Dairy Science 311--Problems in Dairy Farming (I)	3
Forestry 102--Farm Forestry (I, II)	3
Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Rhetoric 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.

Agricultural Courses:	Hours
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Destructive and Useful Insects (I, II) or	3
Entomology 103--Life of Insects (II)	4

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

Agricultural Courses:	Hours
Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Advanced Gas and Diesel Engines and Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment, and Management of Farm Machinery (S)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 324--Farm Operation (II)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H, and other rural youth work, rural pastorships[1], rural social welfare work, rural recreation, rural library work, foreign service[2], etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

Agricultural Courses:	Hours
Agr. Economics 177--Farmers' and Rural Organizations (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 273--Recreation in Rural Areas (II)	2
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II) or Home Economics 377--Home Economics Extension (II)	3

Other Courses:	
Anthropology 107--Introduction to Anthropology (I, II)	3
Economics 216--State and Local Taxation in Illinois (I)	3
**Political Science 310--Rural Local Government (I or II)	3
**Psychology 100--Introduction to Psychology (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Recreation 270--Social Recreation Activities (I, II)	2
**Sociology 100--Principles of Sociology (I, II)	3
Sociology 320--Social Roles (I or II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

1/ Pre-theological majors are advised to include among their electives the courses marked **; at least two courses from English 101, 102, 121, or 122; at least one course from History 111, 112, 352, or 361; and Philosophy 101 or 102. If you plan to enter a particular seminary, check as to courses required for admission.

2/ A student who is preparing for foreign service may wish to take Agr. Economics 211, Agricultural Economies of Latin American Countries, or Anthropology 361, Ethnology of Middle America, or a similar course related to the country in which he expects to work.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

Agricultural Courses:	Hours
Horticulture 162--Small Fruit Culture (II)	3
Horticulture 204--Spraying (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I, alternate years)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

Agricultural Courses:	Hours
Horticulture 308--Vegetable and Canning Crop Diseases (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 343--Structure and Classification of Vegetable Crop Plants (II, alternate years)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5

General Agriculture Curriculum with Major in Teacher Training
(for the degree, Bachelor of Science in Agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100-General Botany	4	Chem. 101 or 102-General Chemistry	5 or 3
Hygiene 101-Health Lect., or Hygiene 104-Pers. & Comn. Hygiene	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	15 to 18

Second Year

Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Structures and Soil and Water Conservation	3
Educ. 101-The Nature of the Teaching Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	Two courses from Group I	6
Total	16	Total	17

Third Year

Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
		Hist. 152-History of U. S.	3
Agricultural Electives	3 to 6	Agricultural Electives	6
Total	15 to 18	Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276-Pract. in Agr. Ed.	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)[2]	11 to 17
Agr. Eng. 201-Farm Shop Work, or Da. Sci. 204-Dairy Production[1] or other Agr. Elective	2 or 3		
Educ. 211-Educ. Psych.	3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. 130

1/ Da. Sci. 204 offered second semester only.
2/ A total of six hours of humanities is necessary for certification.

Group 1--Courses in agriculture required of all students in the General Agriculture, Teacher Training Curriculum.

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Hort. elective	3
Total	22

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311-Psych. of Learning for Teachers	1/2	Two of the following courses:	
Educ. 312-Mental Hygiene and the School	1/2	Educ. 301-Philos. of Educ.	1/2
Electives	1	Educ. 302-Hist. of Am. Educ.	1/2
		Educ. 303-Comparative Educ.	1/2
		Educ. 304-Social Foundations of Education	1/2
		Electives	1
Total	4	Total	4

This fifth-year program is open only to students who have previously met the minimum requirement for teaching vocational agriculture under the Smith-Hughes and related acts. It is planned as a fifth year for students who have completed four years of college work fully equivalent to the General Curriculum in Agriculture with Major for Teachers of Vocational Agriculture.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the degree of Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	Credit	Grade
Agr. Econ. 100	3	
Agr. Econ. 220	3	
Agr. Eng. 111	3	
Agr. Eng. 112	3	
Agron. 121	4	
Agron. 201	5	
An. Sci. 101	3	
An. Sci. 102	3	
Da. Sci. 100	3	
Hort. 100	3	
Forestry 101 or 102, or Hort. elective	3	
Total	36	

NON-AGRICULTURE PRESCRIBED:		
Botany 100	4	
Chemistry 101 or 102	5-3	
Chemistry 132	3	
Economics 108	3	
Geology 105	3	
Rhetoric 101	3	
Rhetoric 102	3	
Speech 101	3	
Zoology 104	4	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	Credit	Grade

SOCIAL STUDIES PRESCRIBED:		
History 152	3	
Pol. Sci. 150	3	
HUMANITIES (Minimum of 6 hrs.)		
Psychol. 100	4	
Humanities (Art, music, lang., lit., psych., phil., religion)		
EDUCATION COURSES PRESCRIBED:		
Education 101	2	
Education 201	2	
Education 211	3	
Education 240	2	
Agr. Educ. 276	5	
Agr. Educ. 277	5	
OPEN ELECTIVES:		

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

TOTAL HOURS EARNED:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

Agricultural Science Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the General Agriculture Curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class, and those entering as transfers must have a scholastic average in their collegiate work of not less than 3.5 in terms of the grading system of the University of Illinois. Once enrolled, they must maintain an average of at least 3.5 to remain in the curriculum.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 2/
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 1/	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 1/	16
Electives, Unrestricted	22	35
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
2/ Students in Option II must include at least 8 semester hours in Economics.

Agricultural Science Curriculum - Option I

Sample program for first year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry1/	2
Math. 111 or 112-College Algebra1/	5 or 3	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Electives	3 to 6
Electives	0 to 5		
Total	15 to 18	Total	15 to 18

Second, Third, and Fourth Years

The programs for the second, third, and fourth years should be planned in consultation with the faculty adviser.

Total required for graduation. 130

1/ The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Date_____ Name_____
Option and field selected_____

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.
Option I--For students desiring preparation for graduate study or technical work in animal plant, or soil science.
Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	Credit	Grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

GROUP III--Social Sciences (Econ., geog. hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.*

	Credit	Grade

GROUP IV--Biological Sciences (Bact.,bot., entom., physiol., zool.) Option I--Minimum of 10 hrs*; Option II--Minimum of 6 hrs.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs*; Option II--Minimum of 16 hrs.

Open Electives:

Total hours earned_____

* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P.E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.

Agricultural Science and Agricultural Engineering Curricula
5-Year Combined Programs
(for the degrees, Bachelor of Science in Agriculture and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters.

Students interested in the combined programs should enroll in the College of Agriculture for the first three years and then transfer to the College of Engineering for the fourth and fifth years. By the end of the third year, the student must choose between the "Power and Machinery Option" and the "Structures, Soil and Water Engineering Option." A semester-by-semester sequence of courses is shown on this and the following pages for combining Option I of the Agricultural Science Curriculum (see page 22) and the Agricultural Engineering Curriculum. Special attention is called to the requirement that students must rank in the upper half of their high school graduating class to enroll in the Agricultural Science Curriculum and must maintain a 3.5 average to remain in it.

First Year
(Enroll in College of Agriculture)

First Semester	Hours	Second Semester	Hours
Chem. 102 or 103-General Chem.	3 or 4	Chem. 104-Chemistry of Metallic Elements	4
Engr. 100-Engineering Lectures	0	G.E. 101-Elem. of Drawing	3
Hygiene 101-Health Lectures	2	Math. 123-Analytical Geometry	5
Math. 111 or 112-Coll. Alg.1/	5 or 3	Rhet. 102-Rhetoric and Comp.	3
Math. 114-Plane Trig.1/	2	Physical Education	1
Rhet. 101-Rhetoric and Comp.	3	Military (men)	1
Physical Education	1		
Military (men)	1		
Total	15 to 18	Total	17

Second Year

Agr. Eng. 111-Farm Struc. and Soil and Water Cons.	3	Agr. Eng. 112-Tractors and Field Machinery	3
Botany 100-General Botany	4	Math. 143-Calculus	5
G.E. 102-Descriptive Geometry	3	Physics 106-Mechanics	4
Math. 133-Calculus	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Approved Elective2/	3
Total	15	Total	17

1/ Those students with 4 years of high school mathematics may take Math. 123 the first semester and follow the Common Program for Freshmen in the College of Engineering.

2/ See page 27 for a listing of approved electives.

Third Year

First Semester	Hours	Second Semester	Hours
Agronomy 121-Crop Production	4	Agr. Econ. 220-Farm Management	3
Econ. 108-Elements of Economics	3	Physics 108-Heat, Sound, Light	4
Geology 105-Agr. Geology	3	T.A.M. 156-Analytical Mechanics (Statics and Dynamics)	5
Physics 107-Electricity and Magnetism, Modern Physics	4	Approved Electives[1]	3
Approved Electives[1]	3		
Total	17	Total	15

POWER AND MACHINERY OPTION

Fourth Year
(Student may transfer to College of Engineering)

Agr. Eng. 231-Farm Machine Characteristics and Mechanisms	3	Agr. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	Agronomy 201-Soils	5
E.E. 207-DC and AC Circ. Lab.	1	M.E. 202-Thermodynamics	3
M.E. 221-Mech. of Machinery	5	M.E. 224-Design of Machine Elements	3
T.A.M. 221-Resistance of Materials	3	Approved Electives[1]	3
T.A.M. 223-Resistance of Materials Laboratory	1		
Total	16	Total	17

Fifth Year
(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 332-Design of Agricultural Machinery	3
Agr. Eng. 341-Farm Power	3	Agri. Eng. 393-Special Problems	3
M.E. 182-Manufacturing Processes	3	M.E. 234-Heat Treatment of Metals	3
M.E. 271-Design of Machine Elem.	3	Approved Electives[1]	6
Approved Electives[1]	6 or 7		
Total	15 or 16	Total	15

1/ See page 27 for a listing of approved electives.

STRUCTURES, SOIL AND WATER ENGINEERING OPTION

Fourth Year
(Student may transfer to College of Engineering)

First Semester	Hours	Second Semester	Hours
Agronomy 201-Soils	5	Agri. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	C.E. 115-General Surveying	3
E.E. 207-DC and AC Circ. Lab.	1	C.E. 235-Plain Concrete	2
T.A.M. 221-Resistance of Materials	3	C.E. 261-Structural Analysis	4
T.A.M. 223-Resistance of Materials Laboratory	1	T.A.M. 232-Fluid Mechanics	3
Approved Electives	3	T.A.M. 234-Fluid Mechanics Lab.	1
Total	16	Total	16

Fifth Year
(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 371-Advanced Farm Structures	3
Agr. Eng. 351-Hydraulics of Soil Conservation	3	Agri. Eng. 393-Special Problems	3
C.E. 262-Structural Analysis	3	C.E. 264-Structural Design	5
C.E. 263-Elem. Struc. Design	2	Approved Electives	3 to 5
C.E. 290-Contracts & Specif.	2		
Approved Electives	6		
Total	16	Total	14 to 16

Approved Electives must include the following:

(1) 6 hours biological science in addition to Botany 100 (zoology, entomology, botany, bacteriology, physiology)

(2) 6 hours humanities (art, music, language, literature, philosophy)

(3) 3 hours social science in addition to Economics 108 (economics, geography, history, political science, psychology, sociology)

(4) 2 hours more in agriculture in Power and Machinery Option.
5 hours more in agriculture in Structures, Soil and Water Engineering Option.

(5) Suffficient open electives to total 160 hours.

Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 22). Students following this program should ask to be assigned an adivser for the six-year program in Agriculture and Law.

SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM
(for the degree, Bachelor of Science in Agriculture)

(Six semestersin agriculture--six semesters in law)

A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	
		16

B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 100	3	
		36

C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	
		6

SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM--Continued

Group III Courses		
Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	
		16
Law courses (to be taken in fourth year)	13	
Group IV Courses		
Zoology 104, or Botany 100	4	
Entomology 101	3	
		7
Group V Courses		
Chemistry 101 and 132	8	
Geology 105	3	
Math. Electives	5	
		16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	
		6

Total hours in three years.	103
Law courses to complete requirement for degree.	27
Total Required for Degree in Agriculture.	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.

Dairy Technology Curriculum
(for the degree, Bachelor of Science in Dairy Technology)

First Year

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in diary technology are expected to take an inspection trip either in the junior or senior year. This trip costs about $35.

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-Gen. Chem.	5 or 3	Chem. 105-Inorg. Chem. and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Intro. Da. Prod.	3
Math. 111 or 112-Coll. Alg.	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	13 to 17	Total	15

Second Year

Bact. 104-Intro. Bact.	5	Chem. 122-Elem. Quan. Analysis	5
Da. Tech. 101-Intro. Da. Tech.	3	Da. Sci. 150-Gen. Da. Bact.	2
Econ. 108-Elements of Economics	3	Da. Sci. 151-Gen. Da. Bact.	3
Physical Education	1	Da. Tech. 102-Quality Evaluation of Dairy Products	3
Military (men)	1	Physical Education	1
Electives	3	Military (men)	1
		Electives	2 or 3
Total	16	Total	17 or 18

Third Year

Chem. 133-Elem. Org. Chem.	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Mfr.	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	2 or 3	Total	17
Total	18 or 19		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total required for graduation. 130

Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours is required in courses offered by the College of Agriculture in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

Suggested Group I electives:	Hours
Agr. Econ. 334--Marketing Dairy Products (II)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Sci. 380--Composition of Dairy Products (I)	3
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Da. Tech. 308--Plant Management (II)	3
Home Econ. 120--Elementary Nutrition (I, II)	2
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

Suggested Group II electives:	
Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

Suggested Open electives:	
Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	3

UNIVERSITY OF ILLINOIS
Curriculum in DAIRY TECHNOLOGY

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

Prescribed Courses	Hours	Grade
Accy. 201	3	
Bact. 104	5	
Chem. 101 or 102	5-3	
Chem. 105	5	
Chem. 122	5	
Chem. 133	5	
Da. Sci. 100	3	
Da. Sci. 150	2	
Da. Sci. 151	2	
Da. Tech. 101	3	
Da. Tech. 102	3	
Da. Tech. 301	3	
Da. Tech. 302	3	
Da. Tech. 303	3	
Da. Tech. 304	3	
Da. Tech. 306	3	
Econ. 108	3	
Math. 111 or 112	5-3	
Math. 114	2	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics 101	5	
Physics 102	5	
Rhetoric 101	3	
Rhetoric 102	3	

Group I--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.	Hours	Grade

Group II--Minimum of 12 hours selected from art, econ., Eng., for. lang., geog., hist., journ., land. arch., law, music, philos., pol. sci., psych., sociol., speech	Hours	Grade

Open Electives	Hours	Grade

Group I Earned:

To be earned:

Group II Earned:

To be earned:

TOTAL HOURS EARNED:

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.
A minimum average of 3.0 is required for graduation.

Floriculture Curriculum
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about $25.

First Year

First Semester	Hours	Second Semester	Hours
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry	3
Chem. 101 or 102-General Chemistry	5 or 3	Entom. 101 and 102-Destructive and Useful Insects	5
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	3 to 5
Military (men)	1		
Total	17 to 19	Total	16 to 18

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory Systematic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Floricultural Crops	3	Hort. 224-Commercial Floricultural Crops	3
Hort. 317-Plant Pathology	4	Hort. 230-Garden Flowers	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 5	Electives	3 to 6
Total	16 to 18	Total	15 to 18

Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

Group II--A minimum of four hours is required in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	Hours
Agron. 323-Improvement of Farm Crops by Breeding (I)	3
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 204-Spraying (II, alternate years)	3
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort. 382-Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 271-Salesmanship (I, II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	3

UNIVERSITY OF ILLINOIS
Curriculum in FLORICULTURE

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

Prescribed Courses	CREDIT	GRADE	Group II	CREDIT	GRADE	SUMMARY
			Minimum 4 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Philos., Pol. Sci., Psych., Rhet., Sociol., Speech			
Accy. 101	3					
Accy. 105	3					Earned:
Agron. 201	5					
Bot. 100	4					To be earned:
Bot. 130	5					
Bot. 160	3					
Chem. 101 or 102	5-3		Open Electives			TOTAL HOURS EARNED:
Chem. 132	3					
Econ. 108	3					
Entom. 101	3					
Entom. 102	2					
Geol. 105	3					
Hort. 121	3					
Hort. 122	3					
Hort. 223	3					
Hort. 224	3					
Hort. 226	3					
Hort. 230	3					
Hort. 231	3					
Hort. 232	3					
Hort. 317	4					
Hort. 321	3					
Hort. 322	3					
L. Arch. 164	3					
L. Arch. 251	3					
L. Arch. 252	3					
Rhet. 101	3					
Rhet. 102	3					
Hyg.	2					
Mil.	1					
Mil.	1					
Mil.	1					
Mil.	1					
P. E.	1-1					
P. E.	1-1					

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.
A minimum average of 3.0 is required for graduation.

Food Technology Curriculum
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food-processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food-processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is $35.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-Gen. Chem.	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	D.G.S. 112-Verbal Communication	4
Math. 117-Combined Freshman Mathematics[1/]	5	Math. 127-Combined Freshman Mathematics[1/]	4
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Total	14 or 16	Total	17

Second Year

Chem. 122-Elem. Quan. Analysis	5	Chem. 133-Elem. Org. Chem.	5
Math. 137-Calculus[2/]	3	Math. 147-Calculus[2/]	3
Physics 103-General Physics (Mechanics, Heat, and Sound)	5	Physics 104-Gen. Physics (Elec., Magn., Light, and Mod. Physics)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	3
Total	17	Total	16

Third Year

Bact. 104-Intro. Bact.	5	Bact. 308-Food and Applied Bacteriology	5
Chem. 247-Elem. Phys. Chem.[3/]	4	Chem. 249-Chemistry of Colloids[3/]	3
F. T. 201-Elem. of Food Tech.	3	F. T. 202-Elements of Food Technology	3
F. T. 260-Raw Materials for Processing	4	Electives	6
Electives	1		
Total	17	Total	17

1/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

2/ Students who follow the algebra, trigonometry, analytic geometry sequence will take Math. 132 and 142-Calculus.

3/ Students adequately qualified may substitute Chem. 240 and 342-Elementary Physical Chemistry, for Chem. 247 and 249.

Fourth Year

First Semester	Hours	Second Semester	Hours
Chem. 350-Biochemistry	3	Chem. 329-Food Analysis	5
Chem. 354 or 355-Biochem. Lab.	2 or 3	F. T. 206-Inspection Trip	0
F. T. 301-Food Processing	4	F. T. 302-Food Processing	4
F. T. 363-Intro. to Process Engr.	3	F. T. 332-Principles of Sanitation in the Processing and Handling of Foods	2
Electives	3 or 4	Electives	5
Total	16	Total	16

Humanities and Social Studies Electives

A minimum of 15 hours shall be selected from courses in art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). 130

A minimum average of 3.0 is required for graduation.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:	credit	grade	HUMANITIES AND SOCIAL STUDIES-- Minimum of 15 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.			
Bact. 104	5					
Bact. 308	5					
Botany 100	4					
Chem. 101 or 102	5-3					
Chem. 105	5					Earned:
Chem. 122	5					
Chem. 133	5					
Chem. 247 1/	4					
Chem. 249 1/	3					
Chem. 329	5					
Chem. 350	3					To be earned:
Chem. 354 or 355	2-3					
D. G. S. 111	4					
D. G. S. 112	4					
F. T. 201	3					
F. T. 202	3		OPEN ELECTIVES:			
F. T. 206	0					
F. T. 260	4					
						TOTAL HOURS
F. T. 301	4					
F. T. 302	4					
F. T. 332	2					
F. T. 363	3					
Mathematics 117 2/	5					
Mathematics 127	4					
Mathematics 137	3					
Mathematics 147	3					
Physics 103	5					
Physics 104	5					
Hygiene	2					
Military	1-1					
Military	1-1					
P. E.	1-1					
P. E.	1-1					

1/ Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 247 and 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 112, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree.
A minimum average of 3.0 is required for graduation.

Restaurant Management Curriculum
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for men and women who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry; or Electives[1]	5 or 3	Chem. 101 or 102-General Chemistry; or Electives[1]	5 or 3
Hygiene 101-Health Lectures	2	Psych. 103-Human Behavior	4
Physiol. 103-Intro. to Human Physiology	4	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Speech 101-Principles of Effective Speaking	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	14 to 16	Total	15 to 17

Second Year

Chem. 132-Elem. Org. Chem.	3	Bact. 104-Intro. Bact.	5
English Literature	3	Econ. 108-Elements of Econ.	3
Home Econ. 130-Intro. Foods & Nutr.	2	English Literature	3
Soc. 100-Prin. of Soc.	3	Rhet. 151-Bus. Letter Writing	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	2 to 4	Electives	0 to 2
Total	15 to 17	Total	15 to 18

Third Year

Accy. 101-Prin. of Accg; or Accy. 201-Fund. of Accg.[2]	3	Accy. 105-Accg. Procedure[2]; or Electives	3
An. Sci. 104-Sel. and Use of Meats	2	Econ. 248-Pers. Admin.	3
Bus. Law 261-Sum. of Bus. Law	3	Home Econ. 220-Dietetics	3
Econ. 240-Labor Problems	3	Home Econ. 240-Quan. Cookery	5
Home Econ. 131-Foods	3	Mktg. 101-Prin. of Marketing	3
Electives	2 or 3		
Total	16 or 17	Total	17

Fourth Year

Accy. 265-Hotel Accounting	3	Home Econ. 350-Instit. Dietaries and Administration	4
Home Econ. 253-Restaurant Interiors	3	Home Econ. 355-Adv. Quantity Cookery and Catering	3
Home Econ. 345-Institution Mgmt.	3	Mgmt. 204-Industrial Purchasing	3
Electives	7 to 9	Electives	5 to 8
Total	16 to 18	Total	15 to 18

Total required for graduation. 130

NOTE: Two summers (a minimum of eight weeks each) or equivalent of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience normally should come at the end of the second and third years.

1/ Students taking Chem. 101 or 102 the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101 or 102 the second semester.

2/ Students who elect Accy. 101 must also take Accy. 105.

CHECK SHEET
for degree, B.S. in Restaurant Management

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE
Office of Associate Dean

NAME _____
DATE _____

PRESCRIBED COURSES	CREDIT	GRADE	PRESCRIBED	CREDIT	GRADE
Accy. 101 & 105	3-3		Rhet. 101	3	
or Accy. 201	3		Rhet. 102	3	
Accy. 265	3		Rhet. 151	3	
Animal Sci. 104	2				
			Soc. 100	3	
Bact. 104	5				
			Speech 101	3	
Bus. Law 261	3				
			*Summer Practice 1	0	
Chem. 101 or 102	5-3		*Summer Practice 2	0	
Chem. 132	3				
			OPEN ELECTIVES:		
Econ. 108	3				
Econ. 240	3				
Econ. 248	3				
Engl. Lit.(total of	3-4				
Engl. Lit.(6 hours	3-2				
Home Econ. 130	2				
Home Econ. 131	3				
Home Econ. 220	3				
Home Econ. 240	5				
Home Econ. 253	3				
Home Econ. 345	3				
Home Econ. 350	4				
*Home Econ. 355	3				
Hygiene 101	2				
Management 204	3				
Marketing 101	3				
Military (for men)	1-1				
Military (for men)	1-1				
			AVERAGE (Minimum of 3.0 required for graduation)	TOTAL HOURS (130 hours, including PE and Mil.)	
P. E. M. or P. E. W.	1-1				
P. E. M. or P. E. W.	1-1				
Physiol. 103	4				
Psych. 103	4				

*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.

Preforestry Two-Year Curriculum

The object of the two-year Preforestry Curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The Preforestry Curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the Preforestry Curriculum requires a minimum of 61 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept out-of-state students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare his intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

First Year

First Semester	Hours	Second Semester	Hours
Botany 100-General Botany	4	Chem. 101 or 102-Gen. Chem.	5 or 3
Forestry 101-General Forestry	3	G. E. 101-Elem. of Drawing	4
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	17 or 19	Total	18 or 20

Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
Total	16 to 18	Total	18

Electives

Bot. 130-Plant Physiology (I)	5
Bot. 160-Introductory Systematic Botany (I or II)	3
Chem. 132-Elementary Organic Chemistry (I,II)	3
Geog. 111-Introduction to Meteorology (I, II)	3
Physics 101-Gen. Physics (Mechanics, Heat, and Sound) (I)	5
Physics 102-Gen. Physics (Light, Elec., and Magnetism) (II)	5
Pol. Sci. 150-American Government: Org. and Powers (I,II)	3
Speech 101-Principles of Effective Speaking (I,II)	3

A Handbook for Agricultural Students and Their Advisers

By

C. D. Smith, Assistant Dean

University of Illinois College of Agriculture
Urbana, Illinois

1954-55

ACA377 (Rev.)

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Name of Student: _____

Local Address: _____, _____
(Number and Street) (Champaign or Urbana)

Home Address: _____

_____

Name of Faculty Adviser: _____

Office Address: _____ Phone: _____

Office Hours: _____

Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal that fits his abilities and interests and has such appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals for yourself is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."[1]

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted your understanding, the less likely you are to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals you set must be individually chosen and must command your interests, loyalties, and devotation to a point that the effort and sacrifice necessary to attain them will be exerted.

The table on the following pages shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held in 1950 by graduates. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adivser.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944.

The University has provided the following five main agencies to give you help and guidance in selecting and planning your individual program:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.

2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If you fail to become acquainted with your adviser, the purpose of the advisory plan is defeated. You may assume that your faculty adviser is glad to assist you.

It is particularly important for you to seek the counsel of your faculty adviser before and during registration in order that your program may be carefully planned. Far too often students turn to anyone who will sign a study list. This is likely to result in a short-sighted semester program which will not lead directly toward your objective.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time you wish to change programs or advisers, you should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. Do not hesitate to discuss your problems with your instructors. They are here to serve you. They can provide channels through which you may see new opportunities. To locate instructors, use the Director of Staff and Students.

4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning your educational progress. You should feel free to call on this office with any problem on which you feel you need their help.

5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 157 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. reporting	Average salary	1-10	11-20	21-30	31-40	41-50
EDUCATIONAL WORKERS									
College Teachers (total)	143	5.61	115	$5,918	46	29	37	29	2
Grad. Assistants	22	.86	-	-	21	1	-	-	-
Instructors	17	.67	16	4,536	8	5	3	1	-
Assistant Professors	30	1.18	27	4,922	11	9	8	2	-
Associate Professors	21	.82	20	5,685	3	6	11	1	-
Professors	53	2.08	52	6,951	3	8	15	25	2
College Administrators	9	.35	8	8,035	1	2	3	3	-
County Agents (Farm Advisers)	92	3.61	89	5,345	22	33	21	16	-
Asst. County Agents & Youth Advisers	49	1.92	49	3,520	47	2	-	-	-
Extension Specialists & Directors	29	1.14	29	5,666	6	7	8	8	-
High School Teachers	431	16.92	391	4,356	233	81	87	30	-
Total Educational Workers	753	29.56	681	4,788	355	154	156	86	2
PROFESSIONAL TECHNICIANS									
Agronomists (total)	101	3.97	95	5,142	39	27	23	12	0
Soil Conservation Service	53	2.08	50	4,453	23	15	11	4	0
Soils	26	1.02	24	5,584	8	5	9	4	0
Crops	22	.86	21	6,278	8	7	3	4	0
Animal Husbandmen	20	.79	16	4,938	14	4	2	0	0
Chemists and Bacteriologists	24	.94	19	6,355	10	4	7	3	0
Dairy Husbandmen	17	.67	16	4,010	12	4	0	1	0
Economists & Statisticians	49	1.92	47	6,897	18	14	13	4	0
Engineers (Agr. & Others)	22	.86	19	5,096	8	4	5	5	0
Entomologists & Zoologists	9	.35	8	5,980	0	2	6	0	1
Farmers Home Administration	23	.90	20	4,881	8	8	4	3	0
Horticulturists	10	.39	7	6,209	2	1	5	2	0
Inspectors (Grain, Seed, & Feed)	18	.71	16	4,653	8	5	4	1	0
Total Professional Technicians	293	11.50	263	5,463	119	73	69	31	1
FARMERS & FARM MANAGERS									
Farmers (total)	540	21.20	264	6,162	213	139	99	74	15
Owner-Operators	195	7.66	71	7,787	18	30	72	61	14
Partnerships	143	5.61	81	5,450	90	38	12	3	0
Tenants	194	7.62	106	5,851	97	71	15	10	1
Farm Hands	8	.31	6	2.033	8	0	0	0	0
Farm Managers	113	4.44	96	5,000	49	34	16	10	4
Total Farmers & Farm Managers	653	25.64	360	5,852	262	173	115	84	19

JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950 - cont.

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. reporting	Average salary	1-10	11-20	21-30	31-40	41-50
BUSINESS & INDUSTRY									
Managers and Supervisors	233	9.15	208	$8,148	73	75	58	24	3
Agriculture Cooperatives	18	.71	18	6,207	8	4	5	1	0
Dairy Manufactures	65	2.55	57	8,529	19	26	15	5	0
Fruits, Vegetables, & Produce	17	.67	13	6,336	8	4	1	4	0
Grain, Seed, Feed, Fertilizer	50	1.96	45	9,288	14	15	16	4	1
Hatcheries	11	.43	7	6,641	3	6	1	1	0
Livestock Marketing & Meat Packing	16	.63	16	4,108	7	2	4	2	1
Machinery, Equipment, & Service	53	2.08	49	8,629	14	17	15	6	1
Miscellaneous Business & Service	3	.12	3	20,500	0	1	1	1	0
Salesmen & Sales Managers	176	6.91	153	6,378	84	38	31	19	4
Agricultural Chemicals	8	.31	8	6,388	5	3	0	0	0
Dairy Products	16	.63	14	6,700	8	7	1	0	0
Feed	18	.71	16	5,351	12	3	2	1	0
Fertilizer	20	.79	18	4,703	12	4	3	1	0
Grain, Grain Products, & Seed	20	.79	19	6,169	8	5	5	1	1
Insurance	48	1.88	36	7,510	24	8	6	8	2
Livestock Products (Meat, Eggs)	8	.31	8	4,510	8	0	0	0	0
Machinery & Equipment	21	.82	18	7,683	5	5	6	4	1
Miscellaneous Products & Equipment	17	.67	16	6,164	2	3	8	4	0
Owners & Operators, Miscellaneous, Non-Agricultural Businesses	31	1.22	23	12,470	3	6	6	15	1
Florists, Nursery, & Landscaping	82	3.22	58	7,488	16	30	20	15	1
Farm Loans & Appraisal	47	1.85	47	5,773	8	21	7	11	0
Bank Officials	16	.63	15	9,685	2	3	6	5	0
Real Estate & Loan Agents	11	.43	8	9,512	1	0	6	4	0
Journalism, Radio & Advertising	37	1.45	29	8,570	11	8	10	8	0
Public Relations	9	.35	9	8,581	2	2	4	0	1
Laboratory Technicians	8	.31	8	2,981	7	0	1	0	0
Total Business & Industry	650	25.52	558	7,588	207	183	149	101	10
MISCELLANEOUS PROFESSIONS & OTHERS									
Doctors & Dentists	11	.43	-	-	1	3	3	3	1
Veterinarians	5	.20	-	-	5	0	0	0	0
Lawyers	11	.43	-	-	7	1	2	1	0
Ministers & Missionaries	11	.43	7	4,200	3	1	5	2	0
Public Officials (Government)	42	1.65	35	5,989	7	5	18	11	1
Army, Navy, and Air Force	22	.86	19	6,009	9	10	2	1	0
Students (Graduate & Professional)	46	1.81	-	-	42	2	2	0	0
Retired & Disabled	26	1.02	-	-	2	0	3	19	2
General Miscellaneous	24	.94	18	4,362	10	6	5	3	0
Totals	198	7.77	79	5,465	85	28	40	40	4
GRAND TOTAL	2,547	99.99	1,941	$ 5,909	1,029	611	529	342	36

Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 to 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.

3. The basic sciences and, for some fields, mathematics.

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science (pages 22 to 24).

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics, and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

Credit for courses in religion, up to ten hours, will be counted toward graduation. Religion credit may be applied toward completion of the humanities requirement in all curricula.

A total of ten hours of credit in special problems courses may be counted toward graduation in Agriculture and Home Economics curricula. Approval of the associate dean, department head, and instructor is necessary for the second or third special problems course in order to avoid duplication of credit.

General Agriculture Curriculum
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation, such as agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, fruit production, rural group leadership, soil conservation, vegetable production, and others as agreed upon by the faculty. A minimum of 130 semester hours is required for graduation.

Suggested schedule of courses for the first two years:

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100--General Botany	4	Chem. 111--General Chem.	5
Hygiene 101--Health Lectures	2	Rhet. 102--Rhetoric and Comp.	3
Rhet. 101--Rhetoric and Comp.	3	Zool. 104--Elem. Zoology	4
Mil. & P. E.	2	Mil. & P. E.	2
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	17 or 18

Second Year

Chem. 132--Elem. Org. Chem.[1]	3	Econ. 108--Elem. of Econ.	3
Geol. 105--Agric. Geology	3	Mil. & P. E.	2
Mil. & P. E.	2	Two courses from Group I	6
Three courses from Group I	9	Electives	5 or 6
	17		16 or 17

Third and Fourth Years

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses, including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group I.--Required agriculture courses, normally completed during the first two years:

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics[2]	3
Agr. Eng. 101--Introduction to Agr. Engineering[3]	3
Agronomy 121--Crop Production	4
Agronomy 201--Soils	5
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Horticulture elective	3
TOTAL.	30

Group II.--Humanities and social studies. Minimum of 12 semester hours to be selected from the following fields: art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

1/ Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 101 and 133 instead of Chem. 111 and 132.

2/ Students entering as juniors or seniors should substitute Agr. Econ. 220 or 230 for Agr. Econ. 100.

3/ Agr. Eng. 111 and 112 may be substituted for Agr. Eng. 101.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible

	Credit	Grade
Agr. Econ. 100	3	
Agr. Eng. 101	3	
Agronomy 121	4	
Agronomy 201	5	
An. Sci. 101	3	
An. Sci. 102	3	
Da. Sci. 100	3	
Hort. 100	3	
Forestry 101 or 102 or Hort. elective	3	
Total Hours	30	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours

Credit	Grade

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

NON-AGRICULTURE PRESCRIBED:

Botany 100	4	
Chemistry 111	5	
Chemistry 132	3	
Economics 108	3	
Geology 105	3	
Hygiene	2	
Rhetoric 101	3	
Rhetoric 102	3	
Zoology 104	4	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: art, econ., for. lang., geog., hist., journ., land. arch., law, lit., music, phil., pol. sci., psych., religion, soc., and speech.

credit	grade

Earned:

To be earned:

OPEN ELECTIVES:

credit	grade

TOTAL HOURS

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. As a rule, new graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser's position after five years' experience.

Agricultural Courses:	Hours
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 208--Agricultural Extension: Summer Training (S)	2
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3

Other Courses:	
English or American Literature	3
Entomology 101--Agricultural Entomology (I, II)	3
History	3
Philosophy 101, 102, 103, 104, or 105	2-4
Political Science 150--American Government: Organ. & Powers (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Recreation 270--Social Recreation Activities (I, II)	2
Recreation 273--Recreation in Rural Areas (II)	2
Sociology 100--Principles of Sociology (I, II) or,	3
Sociology 277--Rural Social Problems (I)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio or television, advertising, sales, public relations, college editorial work and other fields requiring training in both agriculture and journalism. Two options are available:

I. Bachelor of Science in Agriculture with a minor in Journalism.
II. Bachelor of Science in Journalism with a minor in Agriculture.

Students who desire to follow either option of the combined agriculture-journalism program should consult with the Associate Dean of Agriculture or the Director of the School of Journalism as early as possible and be assigned to an appropriate adviser.

Option I. For the Bachelor of Science in Agriculture with a minor in Journalism, the student will enroll in the College of Agriculture, general agriculture curriculum, and complete all requirements of that curriculum. In addition to the prescribed courses of the curriculum, he must also complete the following courses:

	Hours
Agriculture 114--(Same as Journ. 114) Agricultural Information Methods (I, II)	3
Journalism 204--Typography (I, II)	2
Journalism 211--Reporting (I, II)	3
Journalism 321--Copyreading (I, II)	4
Electives in Journalism	8
TOTAL	20

The journalism electives are to be chosen from the following courses: Journ. 215 (also Agric. 215), 223, 227, 261, 281, 282, 323, 328, 351, 365, and 382.

All of the courses taken in journalism may be counted as humanities and social studies or as open electives in the general agriculture curriculum. Students following this option complete all four years while enrolled in the College of Agriculture.

Option II. For the Bachelor of Science in Journalism with a minor in Agriculture, the student may take his first two years of work in the College of Agriculture or in the College of Liberal Arts and Sciences. In this option, the student must complete a minimum of twenty semester hours in agriculture courses as follows:

Required Agriculture Courses:	Hours
Agronomy 121--Crop Production (I, II)	4
Animal Science 102--Principles of Feeding (I, II)	3
Agricultural Economics 220--Farm Management (I, II)	3
Approved Electives in Agriculture	10
TOTAL	20

These twenty hours may be substituted for the twenty hours of advanced social studies required for graduation by the School of Journalism. The agricultural electives are to be chosen from the following courses: Agr. Eng. 111, 112; Agr. Econ. 305; Agron. 201; An. Sci. 201, 301, 303, or 304; Da. Sci. 100; Forestry 101; Hort. 100; and Rural Sociology.

After two years of pre-journalism work in Agriculture or Liberal Arts and Sciences, the student then transfers to the School of Journalism and Communications for two years of professional training. If the first two years are taken in the College of Agriculture, the student will find it advantageous to include in his program those agriculture courses from the above listing which are open to freshmen and sophomores. The remaining agriculture requirements may be completed during the junior and senior years. Since some of the required and recommended agriculture courses have prerequisites of basic science courses (Botany 100, Chemistry 101 or 102 or Geology 105), it is advisable to elect these courses during the first two years also.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

Agricultural Courses:	Hours
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 378--Consumers and the Market (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

Agricultural Courses:	Hours
Animal Science 103--Breeds and Market Classes and Grades of Livestock (I)	3
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 105--Animal Hygiene (I)	3
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (II)	3
One or more of the following:	
Animal Science 206--Light Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (II)	3 or 4
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 332--Livestock Marketing (II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

Agricultural Courses:	Hours
Dairy Science 104--Dairy Cattle Judging (I, II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 201--Reproduction, Genetics, and Improvement of Dairy Cattle (I)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 105--Animal Hygiene (I)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

Agricultural Courses:	Hours
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 324--Principles of Field Plot Experimentation (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Entomology 101--Agricultural Entomology (I, II)	3
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:	Hours
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (I) Dairy Science 311--Problems in Dairy Farming (I)	3
Forestry 102--Farm Forestry (I, II)	3
Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101--Agricultural Entomology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Rhetoric 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.

Agricultural Courses:	Hours
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 277--Rural Social Problems (I)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Agricultural Entomology (I, II) or	3
Entomology 103--Life of Insects (II)	4

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

Agricultural Courses:	Hours
Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Gasoline, Liquid Petroleum Gas, and Diesel Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment and Management of Farm Machinery (S)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 324--Farm Operation (II)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H and other rural youth work, ministry, social welfare, recreation, library, foreign service,[1] etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

Suggested Agricultural Courses:	Hours
Agriculture 206--Agricultural Extension (II)	3
Agriculture 215--Advanced Agricultural Information Methods (I, II)	3
Agr. Economics 201--Economic Relationships of Agriculture or Agr. Economics 211--Agricultural Economies of Latin-American Countries (I)	3
Agr. Economics 218--Land Economics (II)	3
Agr. Economics 273--Recreation in Rural Areas (Same as Recreation 273) (II)	2
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Rural Sociology 117--Introduction to Rural Sociology (I, II)	3
Rural Sociology 277--Rural Social Problems (I), or Rural Sociology 297--Rural Social Movements, Farmers' Organizations and Social Policy (II)	3
Rural Sociology 317--Structure and Function of Rural Society in America, or Rural Sociology 377--Rural Community Organization and Analysis (I)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 361--Development and Function of Family Housing (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:	
Philosophy 101--Introduction to Philosophy (I, II)	3
Philosophy 103--Ethics and Social Policy (I)	4
Political Science 101 or 102--Principles and Problems of Government (I)	4
Political Science 150--American Government (I, II)	3
Psychology 103--Human Behavior (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Anthropology 103--Introduction to Anthropology (I, II)	3
Sociology 271--Sociology of the Region (I or II)	3
Sociology 212--Culture Patterns and the Individual (I, II)	3
Sociology 225--Racial and Cultural Minorities (I, II)	3
Economics 170--Elements of Statistics (I, II)	3

1/ A student who expects to work in a foreign country should take some foreign language (French, Spanish, German, etc.)

[illegible]

[illegible]

[illegible]

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

Agricultural Courses:	Hours
Horticulture 162--Small Fruit Culture (II)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I, alternate years)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101--Agricultural Entomology (I, II)	3
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

Agricultural Courses:	Hours
Horticulture 308--Vegetable and Canning Crop Diseases (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101--Agricultural Entomology (I, II)	3

General Agriculture Curriculum with Major in Teacher Training
(for the degree, Bachelor of Science in Agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100-General Botany	4	Chem. 111-General Chemistry	5
Hygiene 101-Health Lect., or Hygiene 104-Pers. & Comn. Hygiene	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	15 to 18

Second Year

Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Structures and Soil and Water Conservation	3
Educ. 101-The Nature of the Teaching Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	Two courses from Group I	6
Total	16	Total	17

Third Year

Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
		Hist. 152-History of U. S.	3
Agricultural Electives	3 to 6	Agricultural Electives	6
Total	15 to 18	Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276-Pract. in Agr. Ed.	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)[2]	11 to 17
Agr. Eng. 201-Farm Shop Work, or Da. Sci. 204-Dairy Production[1] or other Agr. Elective	2 or 3		
Educ. 211-Educ. Psych.	3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. 130

1/ Da. Sci. 204 offered second semester only.
2/ A total of six hours of humanities is necessary for certification.

Group 1--Courses in agriculture required of all students in the General Agriculture, Teacher Training Curriculum.

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Hort. elective	3
Total	22

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311-Psych. of Learning for Teachers	1/2	Two of the following courses:	
Educ. 312-Mental Hygiene and the School	1/2	Educ. 301-Philos. of Educ.	1/2
Electives	1	Educ. 302-Hist. of Am. Educ.	1/2
		Educ. 303-Comparative Educ.	1/2
		Educ. 304-Social Foundations of Education	1/2
		Electives	1
Total	4	Total	4

This fifth-year program is open only to students who have previously met the minimum requirement for teaching vocational agriculture under the Smith-Hughes and related acts. It is planned as a fifth year for students who have completed four years of college work fully equivalent to the General Curriculum in Agriculture with Major for Teachers of Vocational Agriculture.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the Degree, Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	credit	grade	AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	credit	grade	
Agr. Econ. 100	3					Earned:
Agr. Econ. 220	3					
Agr. Eng. 111	3					To be earned:
Agr. Eng. 112	3					
Agron. 121	4					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Agron. 201	5					
An. Sci. 101	3					
An. Sci. 102	3					
Da. Sci. 100	3					
Hort. 100	3					
Forestry 101 or 102, or Hort. elective	3					
Total	36					
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany 100	4		History 152	3		
			Pol. Sci. 150	3		
Chemistry 111	5					
Chemistry 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics 108	3		Psychol. 100	4		
Geology 105	3		Humanities electives (Art, music, lang., lit., psych., phil., religion)			
Rhetoric 101	3					
Rhetoric 102	3		EDUCATION COURSES PRESCRIBED:			
Speech 101	3		Education 101	2		
			Education 201	2		
Zoology 104	4		Education 211	3		
			Education (6b) 240	2		
Hygiene	2		Agr. Educ. (50) 276	5		
Military	1		Agr. Educ. (51) 277	5		
Military	1					
Military	1		OPEN ELECTIVES:			
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

Agricultural Science Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the General Agriculture Curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class, and those entering as transfers must have a scholastic average in their collegiate work of not less than 3.5 in terms of the grading system of the University of Illinois. Once enrolled, they must maintain an average of at least 3.5 to remain in the curriculum.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy, Religion)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 2/
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 1/	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 1/	16
Electives, Unrestricted	22	35
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
2/ Students in Option II must include at least 8 semester hours in Economics.

Agricultural Science Curriculum - Option I

Sample program for first year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry 1/	2
Math. 111 or 112-College Algebra 1/	5 or 3	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Electives	3 to 6
Electives	0 to 5		
Total	15 to 18	Total	15 to 18

Second, Third, and Fourth Years

The programs for the second, third, and fourth years must be planned in consultation with the student's faculty adviser.

Total required for graduation. 130

1/ The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Date_____ Name_____
Option and field selected_____

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.
Option I--For students desiring preparation for graduate study or technical work in animal plant, or soil science.
Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	Credit	Grade
Rhet. 101	3	
Rhet. 102	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP II--Humanities (Art, music, lang., lit., philos., relig.) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

GROUP III--Social Sciences (Econ., geog. hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.*

GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 10 hrs*; Option II--Minimum of 6 hrs.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs*; Option II--Minimum of 16 hrs.

Open Electives:

Total hours earned_____

* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P.E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.

Agricultural Science and Agricultural Engineering Curricula
5-Year Combined Programs
(for the degrees, Bachelor of Science in Agriculture and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters.

Students interested in the combined programs should enroll in the College of Agriculture for the first three years and then transfer to the College of Engineering for the fourth and fifth years. By the end of the third year, the student must choose between the "Power and Machinery Option" and the "Structures, Soil and Water Engineering Option." A semester-by-semester sequence of courses is shown on this and the following pages for combining Option I of the Agricultural Science Curriculum (see page 22) and the Agricultural Engineering Curriculum. Special attention is called to the requirement that students must rank in the upper half of their high school graduating class to enroll in the Agricultural Science Curriculum and must maintain a 3.5 average to remain in it.

First Year
(Enroll in College of Agriculture)

First Semester	Hours	Second Semester	Hours
Chem. 102 or 103-General Chem.	3 or 4	Chem. 104-Chemistry of Metallic Elements	4
Engr. 100-Engineering Lectures	0	G.E. 101-Elem. of Drawing	3
Hygiene 101-Health Lectures	2	Math. 123-Analytical Geometry	5
Math. 111 or 112-Coll. Alg.1/	5 or 3	Rhet. 102-Rhetoric and Comp.	3
Math. 114-Plane Trig.1/	2	Physical Education	1
Rhet. 101-Rhetoric and Comp.	3	Military (men)	1
Physical Education	1		
Military (men)	1		
Total	15 to 18	Total	17

Second Year

Agr. Eng. 111-Farm Struc. and Soil and Water Cons.	3	Agr. Eng. 112-Tractors and Field Machinery	3
Botany 100-General Botany	4	Math. 143-Calculus	5
G.E. 102-Descriptive Geometry	3	Physics 106-Mechanics	4
Math. 133-Calculus	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Approved Elective2/	3
Total	15	Total	17

1/ Those students with 4 years of high school mathematics may take Math. 123 the first semester and follow the Common Program for Freshmen in the College of Engineering.

2/ See page 27 for a listing of approved electives.

Third Year

First Semester	Hours	Second Semester	Hours
Agronomy 121-Crop Production	4	Agr. Econ. 220-Farm Management	3
Econ. 108-Elements of Economics	3	Physics 108-Heat, Sound, Light	4
Geology 105-Agr. Geology	3	T.A.M. 156-Analytical Mechanics (Statics and Dynamics)	5
Physics 107-Electricity and Magnetism, Modern Physics	4	Approved Electives[1]	3
Approved Electives[1]	3		
Total	17	Total	15

POWER AND MACHINERY OPTION

Fourth Year
(Student may transfer to College of Engineering)

Agr. Eng. 231-Farm Machine Characteristics and Mechanisms	3	Agr. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	Agronomy 201-Soils	5
E.E. 207-DC and AC Circ. Lab.	1	M.E. 202-Thermodynamics	3
M.E. 221-Mech. of Machinery	5	M.E. 224-Design of Machine Elements	3
T.A.M. 221-Resistance of Materials	3	Approved Electives[1]	3
T.A.M. 223-Resistance of Materials Laboratory	1		
Total	16	Total	17

Fifth Year
(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 332-Design of Agricultural Machinery	3
Agr. Eng. 341-Farm Power	3	Agri. Eng. 393-Special Problems	3
M.E. 182-Manufacturing Processes	3	M.E. 234-Heat Treatment of Metals	3
M.E. 271-Design of Machine Elem.	3	Approved Electives[1]	6
Approved Electives[1]	6 or 7		
Total	15 or 16	Total	15

1/ See page 27 for a listing of approved electives.

STRUCTURES, SOIL AND WATER ENGINEERING OPTION

Fourth Year
(Student may transfer to College of Engineering)

First Semester	Hours	Second Semester	Hours
Agronomy 201-Soils	5	Agri. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	C.E. 115-General Surveying	3
E.E. 207-DC and AC Circ. Lab.	1	C.E. 235-Plain Concrete	2
T.A.M. 221-Resistance of Materials	3	C.E. 261-Structural Analysis	4
T.A.M. 223-Resistance of Materials Laboratory	1	T.A.M. 232-Fluid Mechanics	3
Approved Electives	3	T.A.M. 234-Fluid Mechanics Lab.	1
Total	16	Total	16

Fifth Year
(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 371-Advanced Farm Structures	3
Agr. Eng. 351-Hydraulics of Soil Conservation	3	Agri. Eng. 393-Special Problems	3
C.E. 262-Structural Analysis	3	C.E. 264-Structural Design	5
C.E. 263-Elem. Struc. Design	2	Approved Electives	3 to 5
C.E. 290-Contracts & Specif.	2		
Approved Electives	6		
Total	16	Total	14 to 16

Approved Electives must include the following:

(1) 6 hours biological science in addition to Botany 100 (zoology, entomology, botany, bacteriology, physiology)

(2) 6 hours humanities (art, music, language, literature, philosophy, religion)

(3) 3 hours social science in addition to Economics 108 (economics, geography, history, political science, psychology, sociology)

(4) 2 hours more in agriculture in Power and Machinery Option.
5 hours more in agriculture in Structures, Soil and Water Engineering Option.

(5) Suffficient open electives to total 160 hours.

Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 22). Students following this program should ask to be assigned an adivser for the six-year program in Agriculture and Law.

SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM
(for the degree, Bachelor of Science in Agriculture)

(Six semestersin agriculture--six semesters in law)

A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	
		16

B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 100	3	
		36

C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	
		6

SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM--Continued

Group III Courses		
Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	
		16
Group IV Courses		
Zoology 104, or Botany 100	4	
Entomology 101	3	
		7
Group V Courses		
Chemistry 101 or 111, and 132	8	
Geology 105	3	
Math. Electives	5	
		16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	
		6

Total hours in three years.	103
Law courses to complete requirement for degree.	27
Total Required for Degree in Agriculture.	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.

Dairy Technology Curriculum
(for the degree, Bachelor of Science in Dairy Technology)

First Year

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in diary technology are expected to take an inspection trip either in the junior or senior year. This trip costs about $35.

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-Gen. Chem.	5 or 3	Chem. 105-Inorg. Chem. and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Intro. Da. Prod.	3
Math. 111 or 112-Coll. Alg.	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	13 to 17	Total	15

Second Year

Bact. 104-Elementary Bact.	5	Chem. 122-Elem. Quan. Analysis	5
Da. Tech. 101-Intro. Da. Tech.	3	Da. Sci. 150-Gen. Da. Bact.	2
Econ. 108-Elements of Economics	3	Da. Sci. 151-Gen. Da. Bact.	3
Physical Education	1	Da. Tech. 102-Quality Evaluation of Dairy Products	3
Military (men)	1	Physical Education	1
Electives	3	Military (men)	1
		Electives	2 or 3
Total	16	Total	17 or 18

Third Year

Chem. 133-Elem. Org. Chem.	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Mfr.	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	2 or 3	Total	17
Total	18 or 19		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total required for graduation. 130

Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours is required in courses offered by the College of Agriculture in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

Suggested Group I electives:	Hours
Agr. Econ. 334--Marketing Dairy Products (II)	3
An. Sci. 105--Animal Hygiene (I)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Da. Tech. 308--Plant Management (II)	3
Home Econ. 120--Elementary Nutrition (I, II)	2

Group II: A minimum of 12 hours to be selected from art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

Suggested Group II electives:	
Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

Suggested Open electives:	
Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	3

UNIVERSITY OF ILLINOIS
Curriculum in DAIRY TECHNOLOGY

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

Prescribed Courses	Hours	Grade
Accy. 201	3	
Bact. 104-105	5	
Chem. 101 or 102	5-3	
Chem. 105	5	
Chem. 122	5	
Chem. 133	5	
Da. Sci. 100	3	
Da. Sci. 150	2	
Da. Sci. 151	3	
Da. Tech. 101	3	
Da. Tech. 102	3	
Da. Tech. 301	3	
Da. Tech. 302	3	
Da. Tech. 303	3	
Da. Tech. 304	3	
Da. Tech. 306	3	
Econ. 108	3	
Math. 111 or 112	5 - 3	
Math. 114	2	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics 101	5	
Physics 102	5	
Rhetoric 101	3	
Rhetoric 102	3	

Group I--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.

	Hours	Grade

Group II--Minimum of 12 hours selected from Art., Econ., For. Lang., Geog., Hist., Journ., Land. Arch., Law, Lit., Music, Philos., Pol. Sci., Psych., Religion, Sociol., Speech.

	Hours	Grade

Open Electives	Hours	Grade

Group I Hours earned: _____

Hours to be earned:

Group II Earned:

Hours to be earned:

TOTAL HOURS EARNED:

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.

A minimum average of 3.0 is required for graduation.

Floriculture Curriculum
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about $25.

First Year

First Semester	Hours	Second Semester	Hours
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry	3
Chem. 101 or 102-General Chemistry	5 or 3	Entom. 101--Agricultural Entomology	3
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	5 to 7
Military (men)	1		
Total	17 to 19	Total	16 to 18

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory Systematic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Floricultural Crops	3	Hort. 224-Commercial Floricultural Crops	3
Hort. 317-Plant Pathology	4	Hort. 230-Garden Flowers	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 5	Electives	3 to 6
Total	16 to 18	Total	15 to 18

Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

Group II--A minimum of four hours is required in foreign language, geography, history, landscape architecture, literature, philosophy, political science, psychology, rhetoric, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	Hours
Agron. 323-Improvement of Farm Crops by Breeding (I)	3
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort 382-Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 271-Salesmanship (I, II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	3

UNIVERSITY OF ILLINOIS
Curriculum in FLORICULTURE

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

Prescribed Courses	CREDIT	GRADE
Accy. 101	3	
Accy. 105	3	
Agron. 201	5	
Bot. 100	4	
Bot. 130	5	
Bot. 160	3	
Chem. 101 or 102	5-3	
Chem. 132	3	
Econ. 108	3	
Entom. 101	3	
Geol. 105	3	
Hort. 121	3	
Hort. 122	3	
Hort. 223	3	
Hort. 224	3	
Hort. 226	3	
Hort. 230	3	
Hort. 231	3	
Hort. 232	3	
Hort. 317	4	
Hort. 321	3	
Hort. 322	3	
L. Arch. 164	3	
L. Arch. 251	3	
L. Arch. 252	3	
Rhet. 101	3	
Rhet. 102	3	
Hyg.	2	
Mil.	1	
Mil.	1	
Mil.	1	
Mil.	1	
P. E.	1-1	
P. E.	1-1	

Group II	CREDIT	GRADE
Minimum 4 hours selected from: For. Lang., Geog., Hist., L. Arch., Lit., Philos., Pol. Sci., Psych., Sociol., Speech		
Open Electives		

SUMMARY

Earned:

To be earned:

TOTAL HOURS EARNED:

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.
A minimum average of 3.0 is required for graduation.

Food Technology Curriculum
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food-processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food-processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is $35.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-Gen. Chem.	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	D.G.S. 112-Verbal Communication	4
Math. 117-Combined Freshman Mathematics 1/	5	Math. 127-Combined Freshman Mathematics 1/	4
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Total	14 or 16	Total	17

Second Year

Chem. 122-Elem. Quan. Analysis	5	Chem. 133-Elem. Org. Chem.	5
Math. 137-Calculus 2/	3	Math. 147-Calculus 2/	3
Physics 103-General Physics (Mechanics, Heat, and Sound)	5	Physics 104-Gen. Physics (Elec., Magn., Light, and Mod. Physics)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	3
Total	17	Total	16

Third Year

Bact. 104-Elem. Bact.	5	Bact. 308-Food and Industrial Microbiology	5
Chem. 347-Elem. Phys. Chem. 3/	4	Chem. 249-Chemistry of Colloids 3/	3
F. T. 201-Elem. of Food Tech.	3	F. T. 202-Elements of Food Technology	3
F. T. 260-Raw Materials for Processing	4	Electives	6
Electives	1		
Total	17	Total	17

1/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

2/ Students who follow the algebra, trigonometry, analytic geometry sequence will take Math. 132 and 142-Calculus.

3/ Students adequately qualified may substitute Chem. 240 and 342-Elementary Physical Chemistry, for Chem. 347 and 249.

Fourth Year

First Semester	Hours	Second Semester	Hours
Chem. 350-Biochemistry	3	Chem. 329-Food Analysis	5
Chem. 354 or 355-Biochem. Lab.	2 or 3	F. T. 206-Inspection Trip	0
F. T. 301-Food Processing	4	F. T. 302-Food Processing	4
F. T. 363-Intro. to Process Engr.	3	F. T. 332-Principles of Sanitation in the Processing and Handling of Foods	2
Electives	3 or 4	Electives	5
Total	16	Total	16

Humanities and Social Studies Electives

A minimum of 15 hours must be selected from courses in art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). 130

A minimum average of 3.0 is required for graduation.

COLLEGE OF AGRICULTURE
Office of Assoicate Dean

Name _____
Date _____

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:	credit	grade	HUMANITIES AND SOCIAL STUDIES-- Minimum of 15 semester hours from: Art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion sociology, and speech.			
Bact. 104	5					
Bact. 308	5					
Botany 100	4					
Chem. 101 or 102	5-3					
Chem. 105	5					Earned:
Chem. 122	5					
Chem. 133	5					
Chem. 347 1/	4					
Chem. 249 1/	3					
Chem. 329	5					
Chem. 350	3					To be
Chem. 354 or 355	2-3					earned:
D. G. S. 111	4					
D. G. S. 112	4					
F. T. 201	3					
F. T. 202	3		OPEN ELECTIVES:			
F. T. 206	0					
F. T. 260	4					
						TOTAL
F. T. 301	4					HOURS
F. T. 302	4					
F. T. 332	2					
F. T. 363	3					
Mathematics 117 2/	5					
Mathematics 127	4					
Mathematics 137	3					
Mathematics 147	3					
Physics 103	5					
Physics 104	5					
Hygiene	2					
Military	1-1					
Military	1-1					
P. E.	1-1					
P. E.	1-1					

1/ Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 347 and 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree.
A minimum average of 3.0 is required for graduation.

Restaurant Management Curriculum
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for men and women who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

First Year

First Semester	Hours	Second Semester	Hours
Hygiene 101-Health Lectures	2	Chem. 101 or 102-General Chemistry	5 or 3
Physiol. 103-Intro. to Human Physiology	4	Psych. 103-Human Behavior	4
Rhet. 101-Rhet. and Comp.	3	Rhet. 102-Rhet. and Comp.	3
Physical Education	1	Speech 101-Principles of Effective Speaking	3
Military (men)	1	Physical Education	1
Electives	3 to 5	Military (men)	1
Total	14 to 16	Total	15 to 17

Second Year

Chem. 132-Elem. Org. Chem.	3	Bact. 104-Elem. Bact.	5
English Literature	3	Econ. 108-Elements of Econ.	3
Home Econ. 130-Intro. Foods & Nutr.	2	English Literature	3
Soc. 100-Prin. of Soc.	3	Rhet. 151-Bus. Letter Writing	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	2 to 4	Electives	0 to 2
Total	15 to 17	Total	15 to 18

Third Year

Accy. 101-Prin. of Accg; or Accy. 201-Fund. of Accg.1/	3	Accy. 105-Accg. Procedure1/; or Electives	3
An. Sci. 104-Sel. and Use of Meats	2	Econ. 248-Pers. Admin.	3
Bus. Law 261-Sum. of Bus. Law	3	Home Econ. 220-Dietetics	3
Econ. 240-Labor Problems	3	Home Econ. 240-Quan. Cookery	5
Home Econ. 131-Foods	3	Mktg. 101-Prin. of Marketing	3
Electives	2 or 3		
Total	16 or 17	Total	17

Fourth Year

Accy. 265-Hotel Accounting	3	Home Econ. 350-Instit. Dietaries and Administration	4
Home Econ. 253-Restaurant Interiors	3	Home Econ. 355-Adv. Quantity Cookery and Catering	3
Home Econ. 345-Institution Mgmt.	3	Mgmt. 204-Industrial Purchasing	3
Electives	7 to 9	Electives	5 to 8
Total	16 to 18	Total	15 to 18

Total required for graduation. 130

NOTE: Two summers (a minimum of eight weeks each) or equivalent of practical restaurant experience are required and must be completed before registering in Home Econ. 355. This experience normally should come at the end of the second and third years.

1/ Students who elect Accy. 101 must also take Accy. 105.

CHECK SHEET
for degree, B.S. in Restaurant Management

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE
Office of Associate Dean

NAME _____
DATE _____

PRESCRIBED COURSES	CREDIT	GRADE	PRESCRIBED	CREDIT	GRADE
Accy. 101 & 105	3-3		Rhet. 101	3	
or Accy. 201	3		Rhet. 102	3	
Accy. 265	3		Rhet. 151	3	
Animal Sci. 104	2				
			Soc. 100	3	
Bact. 104	5				
			Speech 101	3	
Bus. Law 261	3				
			*Summer Practice 1	0	
Chem. 101 or 102	5-3		*Summer Practice 2	0	
Chem. 132	3				
			OPEN ELECTIVES:		
Econ. 108	3				
Econ. 240	3				
Econ. 248	3				
Engl. Lit.(total of	3-4				
Engl. Lit.(6 hours	3-2				
Home Econ. 130	2				
Home Econ. 131	3				
Home Econ. 220	3				
Home Econ. 240	5				
Home Econ. 253	3				
Home Econ. 345	3				
Home Econ. 350	4				
*Home Econ. 355	3				
Hygiene 101	2				
Management 204	3				
Marketing 101	3				
Military (for men)	1-1				
Military (for men)	1-1				
			AVERAGE (Minimum of 3.0 required for graduation)	TOTAL HOURS (130 hours, including PE and Mil.)	
P. E. M. or P. E. W.	1-1				
P. E. M. or P. E. W.	1-1				
Physiol. 103	4				
Psych. 103	4				

*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and **must** be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.

Preforestry Two-Year Curriculum

The object of the two-year Preforestry Curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The Preforestry Curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the Preforestry Curriculum requires a minimum of 61 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept out-of-state students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare his intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

First Year

First Semester	Hours	Second Semester	Hours
Botany 100-General Botany	4	Chem. 101 or 102-Gen. Chem.	5 or 3
Forestry 101-General Forestry	3	G. E. 101-Elem. of Drawing	4
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	17 or 19	Total	18 or 20

Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
Total	16 to 18	Total	18

Electives

Bot. 130-Plant Physiology (I)	5
Bot. 160-Introductory Systematic Botany (I or II)	3
Chem. 132-Elementary Organic Chemistry (I,II)	3
Geog. 111-Introduction to Meteorology (I, II)	3
Physics 101-Gen. Physics (Mechanics, Heat, and Sound) (I)	5
Physics 102-Gen. Physics (Light, Elec., and Magnetism) (II)	5
Pol. Sci. 150-American Government: Org. and Powers (I,II)	3
Speech 101-Principles of Effective Speaking (I,II)	3

Performance Factors Comparison

[illegible]

First Year

First Semester	Hours	Second Semester	Hours
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
Total	[illegible]	Total	[illegible]

Second Year

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		
[illegible]	[illegible]		
Total	[illegible]	Total	[illegible]

Grades

[illegible]

A Handbook for Agricultural Students and Their Advisers

By

C. D. Smith, Assistant Dean

University of Illinois College of Agriculture
Urbana, Illinois

1955-56

ACA377 (Rev.)

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Name of Student: _____

Local Address: _____, _____
(Number and Street) (Champaign or Urbana)

Home Address: _____

_____

Name of Faculty Adviser: _____

Office Address: _____ Phone: _____

Office Hours: _____

Student Objectives

Every student who enters upon a University program should set up an educational goal that fits his abilities and interests and has such appeal for him that he will exert the effort and make the sacrifices necessary to complete his program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way do so because they have no goals which they are determined to reach.

The importance of setting adequate goals for yourself is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill." 1/

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted your understanding, the less likely you are to be uprooted by the swift winds of change.

Student Plans and Student Guidance

The fact that many students arrive at the University with undefined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals you set must be individually chosen and must command your interests, loyalties, and devotion to the point where the effort and sacrifice necessary to attain them will be exerted.

The table on the following pages shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held in 1950 by graduates. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adivser.

1/ Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944.

The University has provided the following five main agencies to give you help and guidance in selecting and planning your individual program:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.

2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If you fail to become acquainted with your adviser, the purpose of the advisory plan is defeated. Your faculty adviser is glad to assist you--make use of him.

It is particularly important for you to seek the counsel of your faculty adviser before and during registration in order that your program may be carefully planned. Far too often students turn to anyone who will sign a study list. This is likely to result in a short-sighted semester program which will not lead directly toward your objective.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time you wish to change programs or advisers, you should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. Do not hesitate to discuss your problems with your instructors. They are here to serve you. They can provide channels through which you may see new opportunities. To locate instructors, use the Directory of Staff and Students.

4. The Dean and the Associate Dean of the college are responsible for administering student programs and for keeping records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning your educational progress. You should feel free to call on this office with any problem on which you feel you need help.

5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 157 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. reporting	Average salary	1-10	11-20	21-30	31-40	41-50
EDUCATIONAL WORKERS									
College Teachers (total)	143	5.61	115	$5,918	46	29	37	29	2
Grad. Assistants	22	.86	-	-	21	1	-	-	-
Instructors	17	.67	16	4,536	8	5	3	1	-
Assistant Professors	30	1.18	27	4,922	11	9	8	2	-
Associate Professors	21	.82	20	5,685	3	6	11	1	-
Professors	53	2.08	52	6,951	3	8	15	25	2
College Administrators	9	.35	8	8,035	1	2	3	3	-
County Agents (Farm Advisers)	92	3.61	89	5,345	22	33	21	16	-
Asst. County Agents & Youth Advisers	49	1.92	49	3,520	47	2	-	-	-
Extension Specialists & Directors	29	1.14	29	5,666	6	7	8	8	-
High School Teachers	431	16.92	391	4,356	233	81	87	30	-
Total Educational Workers	753	29.56	681	4,788	355	154	156	86	2
PROFESSIONAL TECHNICIANS									
Agronomists (total)	101	3.97	95	5,142	39	27	23	12	0
Soil Conservation Service	53	2.08	50	4,453	23	15	11	4	0
Soils	26	1.02	24	5,584	8	5	9	4	0
Crops	22	.86	21	6,278	8	7	3	4	0
Animal Husbandmen	20	.79	16	4,938	14	4	2	0	0
Chemists and Bacteriologists	24	.94	19	6,355	10	4	7	3	0
Dairy Husbandmen	17	.67	16	4,010	12	4	0	1	0
Economists & Statisticians	49	1.92	47	6,897	18	14	13	4	0
Engineers (Agr. & Others)	22	.86	19	5,096	8	4	5	5	0
Entomologists & Zoologists	9	.35	8	5,980	0	2	6	0	1
Farmers Home Administration	23	.90	20	4,881	8	8	4	3	0
Horticulturists	10	.39	7	6,209	2	1	5	2	0
Inspectors (Grain, Seed, & Feed)	18	.71	16	4,653	8	5	4	1	0
Total Professional Technicians	293	11.50	263	5,463	119	73	69	31	1
FARMERS & FARM MANAGERS									
Farmers (total)	540	21.20	264	6,162	213	139	99	74	15
Owner-Operators	195	7.66	71	7,787	18	30	72	61	14
Partnerships	143	5.61	81	5,450	90	38	12	3	0
Tenants	194	7.62	106	5,851	97	71	15	10	1
Farm Hands	8	.31	6	2.033	8	0	0	0	0
Farm Managers	113	4.44	96	5,000	49	34	16	10	4
Total Farmers & Farm Managers	653	25.64	360	5,852	262	173	115	84	19

JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950 - cont.

Job title	Graduates No.	Graduates % of total	Salary No. reporting	Salary Average salary	Years since graduation 1-10	11-20	21-30	31-40	41-50
BUSINESS & INDUSTRY									
Managers and Supervisors	233	9.15	208	$8,148	73	75	58	24	3
Agriculture Cooperatives	18	.71	18	6,207	8	4	5	1	0
Dairy Manufactures	65	2.55	57	8,529	19	26	15	5	0
Fruits, Vegetables, & Produce	17	.67	13	6,336	8	4	1	4	0
Grain, Seed, Feed, Fertilizer	50	1.96	45	9,288	14	15	16	4	1
Hatcheries	11	.43	7	6,641	3	6	1	1	0
Livestock Marketing & Meat Packing	16	.63	16	4,108	7	2	4	2	1
Machinery, Equipment, & Service	53	2.08	49	8,629	14	17	15	6	1
Miscellaneous Business & Service	3	.12	3	20,500	0	1	1	1	0
Salesmen & Sales Managers	176	6.91	153	6,378	84	38	31	19	4
Agricultural Chemicals	8	.31	8	6,388	5	3	0	0	0
Dairy Products	16	.63	14	6,700	8	7	1	0	0
Feed	18	.71	16	5,351	12	3	2	1	0
Fertilizer	20	.79	18	4,703	12	4	3	1	0
Grain, Grain Products, & Seed	20	.79	19	6,169	8	5	5	1	1
Insurance	48	1.88	36	7,510	24	8	6	8	2
Livestock Products (Meat, Eggs)	8	.31	8	4,510	8	0	0	0	0
Machinery & Equipment	21	.82	18	7,683	5	5	6	4	1
Miscellaneous Products & Equipment	17	.67	16	6,164	2	3	8	4	0
Owners & Operators, Miscellaneous, Non-Agricultural Businesses	31	1.22	23	12,470	3	6	6	15	1
Florists, Nursery, & Landscaping	82	3.22	58	7,488	16	30	20	15	1
Farm Loans & Appraisal	47	1.85	47	5,773	8	21	7	11	0
Bank Officials	16	.63	15	9,685	2	3	6	5	0
Real Estate & Loan Agents	11	.43	8	9,512	1	0	6	4	0
Journalism, Radio & Advertising	37	1.45	29	8,570	11	8	10	8	0
Public Relations	9	.35	9	8,581	2	2	4	0	1
Laboratory Technicians	8	.31	8	2,981	7	0	1	0	0
Total Business & Industry	650	25.52	558	7,588	207	183	149	101	10
MISCELLANEOUS PROFESSIONS & OTHERS									
Doctors & Dentists	11	.43	-	-	1	3	3	3	1
Veterinarians	5	.20	-	-	5	0	0	0	0
Lawyers	11	.43	-	-	7	1	2	1	0
Ministers & Missionaries	11	.43	7	4,200	3	1	5	2	0
Public Officials (Government)	42	1.65	35	5,989	7	5	18	11	1
Army, Navy, and Air Force	22	.86	19	6,009	9	10	2	1	0
Students (Graduate & Professional)	46	1.81	-	-	42	2	2	0	0
Retired & Disabled	26	1.02	-	-	2	0	3	19	2
General Miscellaneous	24	.94	18	4,362	10	6	5	3	0
Totals	198	7.77	79	5,465	85	28	40	40	4
GRAND TOTAL	2,547	99.99	1,941	$ 5,909	1,029	611	529	342	36

[illegible]

Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 to 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are educational programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. The basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.

2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.

3. The basic sciences and, for some fields, mathematics.

4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science (pages 22-24).

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. The student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to farm or work in other areas that call for broad training but not requiring a specialized foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics, and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

No typing or shorthand courses, not more than two hours credit in music ensemble courses, and not more than ten hours credit in religion may be counted toward graduation.

A total of ten hours of credit in special problems courses may be counted toward graduation in Agriculture and Home Economics curricula. Approval of the associate dean, department head, and instructor is necessary for the second or third special problems course in order to avoid duplication of credit.

General Agriculture Curriculum
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation, such as farming, agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, fruit production, rural group leadership, soil conservation, vegetable production, and others. A minimum of 130 semester hours is required for graduation.

Suggested schedule of courses for the first two years:

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100--General Botany	4	Chem. 111--General Chem.1/	5
Hygiene 101--Health Lectures	2	Rhet. 102--Rhetoric and Comp.	3
Rhet. 101--Rhetoric and Comp.	3	Zool. 104--Elem. Zoology	4
Mil. & P. E.	2	Mil. & P. E.	2
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	17 or 18

Second Year

Chem. 132--Elem. Org. Chem.1/	3	Econ. 108--Elem. of Econ.	3
Geol. 105--Agric. Geology	3	Mil. & P. E.	2
Mil. & P. E.	2	Two courses from Group I	6
Three courses from Group I	9	Electives	5 or 6
	17		16 or 17

Third and Fourth Years

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses, including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group I.--Required agriculture courses, normally completed during the first two years:

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics2/	3
Agr. Eng. 101--Introduction to Agr. Engineering3/	3
Agronomy 121--Crop Production	4
Agronomy 201--Soils	5
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture2/	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Horticulture elective	3
TOTAL.	30

Group II.--Humanities and social studies. Minimum of 12 semester hours to be selected from the following fields: anthropology, art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

1/ Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 101 and 133 instead of Chem. 111 and 132.

2/ Students entering as juniors or seniors should substitute (a) Agr. Econ. 220 or 230 for Agr. Econ. 100; (b) Hort. 242 or 262 for Hort. 100.

3/ Agr. Eng. 111 and 112 may be substituted for Agr. Eng. 101.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as farming, agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible

	Credit	Grade
Agr. Econ. 100	3	
Agr. Eng. 101	3	
Agronomy 121	4	
Agronomy 201	5	
An. Sci. 101	3	
An. Sci. 102	3	
Da. Sci. 100	3	
Hort. 100	3	
Forestry 101 or 102 or Hort. elective	3	
Total Hours	30	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours

Credit	Grade

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST ½ OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

NON-AGRICULTURE PRESCRIBED:

Botany 100	4	
Chemistry 111	5	
Chemistry 132	3	
Economics 108	3	
Geology 105	3	
Hygiene	2	
Rhetoric 101	3	
Rhetoric 102	3	
Zoology 104	4	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: anthro., art, econ., for. lang., geog., hist., journ., land. arch., law, lit., music, phil., pol. sci., psych., religion, soc., and speech.

Credit	Grade

Earned:

To be earned:

OPEN ELECTIVES:

TOTAL HOURS

130 hours, inclusive of regular military and P. E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. New graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser position after five years of experience.

First and Second Years: Follow the General Agriculture Curriculum, except that Agricultural Engineering 111 and 112 should be substituted for Agricultural Engineering 101.

Third Year:	Hours
DGS 171 - Psychology for General Education (I, II)	4
Agricultural Economics 220 - Farm Management (I, II)	3
Agriculture 114 - Agricultural Journalism (I, II)	3
Agriculture 206 - Agricultural Extension (II)	3
Rhetoric 151 - Business Letter Writing (I, II)	3
Entomology 101 - Agricultural Entomology (I, II)	3
Political Science 150 - American Government or History 152 - American History (I, II)	3
Agricultural Economics 273 - Rural Recreation (II)	2
Electives 1/	9-10

Summer Following Third Year:	
Agriculture 208 - Agricultural Extension - Summer Training	2

Fourth Year:	
Rural Sociology 377 - Rural Community - Organization and Analysis (I)	3
Animal Science 105 - Animal Hygiene (I)	3
Agriculture 214 - Advanced Agricultural Journalism Methods (II)	3
Electives 1/	25-27

1/ Suggested Electives:

Agriculture Courses:

Agricultural Economics 230 - Marketing of Agricultural Products (I, II)	3
Agricultural Economics 302 - Financing Agriculture (II)	3
Agricultural Economics 303 - Agricultural Law (II)	3
Agricultural Economics 325 - Advanced Farm Management (I)	3
Agricultural Economics 341 - Agricultural Statistics (I)	3
or Agriculture 216 - Agriculture & Biological Statistics (I, II)	3
Agronomy 306 - Fertilizers and Their Soil Reactions (I)	3
Agronomy 322 - Forage Crops and Pastures (II)	3
Agronomy 326 - Weeds and Their Control (I)	3

Animal Science - Horticulture, Agronomy, Dairy Science 110 Genetics (I, II)	3
Animal Science 103 - Breeds and Market Grades of Livestock (I)	3
Animal Science 201 - Livestock Management (I)	3
or one or more of the following:	
Animal Science 301 - Beef Production (I, II)	3
Animal Science 302 - Sheep Production (II)	3
Animal Science 303 - Pork Production (I, II)	3
Animal Science 304 - Poultry Production (II)	3 or 4
Animal Science 203 - Advanced Judging (I)	3
Animal Nutrition 301 - Introduction to Animal Nutrition (II)	3
Dairy Science 202 - Feeding Dairy Cattle (II)	3
Dairy Science 311 - Problems in Dairy Farming (I)	3
Rural Sociology 117 - Introduction to Rural Sociology (I, II)	3

Other Courses:

Economics 248 - Personnel Administration (I, II)	3
Education 211 - Educational Psychology (I, II)	3
Speech 101 - Principles of Effective Speaking (I, II)	3
Speech 111 - Business & Professional Speaking (I, II)	2
Speech 113 - Group Discussion and Conference Leadership (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio or television, advertising, sales, public relations, college editorial work and other fields requiring training in both agriculture and journalism. Two options are available:

I. Bachelor of Science in Agriculture with a minor in Journalism.
II. Bachelor of Science in Journalism with a minor in Agriculture.

Students who desire to follow either option of the combined agriculture-journalism program should consult with the Associate Dean of Agriculture or the Director of the School of Journalism as early as possible and be assigned to an appropriate adviser.

Option I. For the Bachelor of Science in Agriculture with a minor in Journalism, the student will enroll in the College of Agriculture, general agriculture curriculum, and complete all requirements of that curriculum. In addition to the prescribed courses of the curriculum, he must also complete the following courses:

	Hours
Agriculture 114--(Same as Journ. 114) Agricultural Journalism (I, II)	3
Journalism 204--Typography (I, II)	2
Journalism 211--Reporting (I, II)	3
Journalism 321--Copyreading (I, II)	4
Electives in Journalism	8
TOTAL	20

The journalism electives are to be chosen from the following courses: Journ. 214 (also Agric. 214), 223, 227, 261, 281, 282, 323, 328, 351, 365, and 382.

All of the courses taken in journalism may be counted as humanities and social studies or as open electives in the general agriculture curriculum. Students following this option complete all four years while enrolled in the College of Agriculture.

Option II. For the Bachelor of Science in Journalism with a minor in Agriculture, the student may take his first two years of work in the College of Agriculture or in the College of Liberal Arts and Sciences. In this option, the student must complete a minimum of twenty semester hours in agriculture courses as follows:

Required Agriculture Courses:	Hours
Agronomy 121--Crop Production (I, II)	4
Animal Science 102--Principles of Feeding (I, II)	3
Agricultural Economics 220--Farm Management (I, II)	3
Approved Electives in Agriculture	10
TOTAL	20

These twenty hours may be substituted for the twenty hours of advanced social studies required for graduation by the School of Journalism. The agricultural electives are to be chosen from the following courses: Agr. Eng. 111, 112; Agr. Econ. 305; Agron. 201; An. Sci. 201, 301, 303, or 304; Da. Sci. 100; Forestry 101; Hort. 100; and Rural Sociology.

After two years of pre-journalism work in Agriculture or Liberal Arts and Sciences, the student then transfers to the School of Journalism and Communications for two years of professional training. If the first two years are taken in the College of Agriculture, the student will find it advantageous to include in his program those agriculture courses from the above listing which are open to freshmen and sophomores. The remaining agriculture requirements may be completed during the junior and senior years. Since some of the required and recommended agriculture courses have prerequisites of basic science courses (Botany 100, Chemistry 101 or 102 or Geology 105), it is advisable to elect these courses during the first two years also.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

Agricultural Courses:	Hours
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 313--Economics of Consumption (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

Agricultural Courses:	Hours
Animal Science 103--Breeds and Market Classes and Grades of Livestock (I)	3
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 105--Animal Hygiene (I)	3
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (I)*	3
One or more of the following:	
Animal Science 206--Light Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (II)	3 or 4
Animal Science 332--Livestock Marketing (II)	3
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.

* Students who plan to take two or more of the following production courses--Animal Science 301, 302, or 303--should not take Animal Science 201.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

Agricultural Courses:	Hours
Dairy Science 104--Dairy Cattle Judging (II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agricultural Economics 220--Farm Management (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Veterinary Pathology and Hygiene 105--Animal Hygiene (I)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

Agricultural Courses:	Hours
Agronomy 110--Plant and Animal Genetics (I, II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agronomy 327--Forage Crop Breeding (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Entomology 101--Agricultural Entomology (I, II)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation, including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

Agricultural Courses:	Hours
Agronomy 301--Soil Survey, with Emphasis on Illinois Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (I)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Entomology 101--Agricultural Entomology (I, II)	3
Forestry 102--Farm Forestry (I, II)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Speech 101--Principles of Effective Speaking (I, II)	3

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

Agricultural Courses:	Hours
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Soil Survey, with Emphasis on Illinois Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3
Rural Sociology 117--Introduction to Rural Sociology (I, II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Agricultural Entomology (I, II) or	3
Entomology 103--Life of Insects (II)	4

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Rhetoric 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics, for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

Agricultural Courses:	Hours
Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Gasoline, Liquid Petroleum Gas, and Diesel Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment and Management of Farm Machinery (S)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agronomy 305--Laboratory in Soil Physics (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:	
Accountancy 201--Fundamentals of Accounting (I, II)	3
Business English 151--Business Letter Writing (I, II)	3
Business English 271--Sales Writing (I, II)	2
Business Law 261--Summary of Business Law (I, II)	3
Economics 254--Business Finance (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 212--Retail Sales Promotion (I, II)	2
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Philosophy 102--Logic (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3
Speech 111--Business and Professional Speaking (I, II)	2

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H and other rural youth work, ministry, social welfare, recreation, library, foreign service,1/ etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

Suggested Agricultural Courses:	Hours
Agr. Economics 201--Economic Relationships of Agriculture or Agr. Economics 211--Agricultural Economics of Latin-American Countries (I)	3
Agr. Economics 218--Land Economics (II)	3
Agr. Economics 273--Recreation in Rural Areas (II)	2
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 341--Agricultural Statistics (I)2/	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 361--Development and Function of Family Housing (II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 214--Advanced Agricultural Journalism (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Rural Sociology 117--Introduction to Rural Sociology (I, II)	3
Rural Sociology 277--Rural Social Problems (I), or Rural Sociology 297--Rural Social Movements, Farmers' Organizations and Social Policy (II)	3
Rural Sociology 317--Structure and Function of Rural Society in America (II), or Rural Sociology 377--Rural Community: Organization and Analysis (I)	3

Other Courses:	
Anthropology 103--Introduction to Anthropology (I, II)	3
Economics 170--Elements of Statistics (I, II)2/	3
Philosophy 101--Introduction to Philosophy (I, II)	3
Philosophy 103--Ethics and Social Policy (I)	4
Political Science 150--American Government: Organization and Powers (I, II)	3
Political Science 191--Principles of Political Science (I, II), or Political Science 192--Current Problems of Government (I, II)	4
Psychology 103--Human Behavior (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Sociology 212--Culture Patterns and the Individual (I, II)	3
Sociology 225--Racial and Cultural Minorities (I, II)	3
Sociology 270--Population and Human Ecology (I or II)	3

1/ A student who expects to work in a foreign country should take an appropriate foreign language (French, Spanish, German, etc.)

2/ It is recommended that students choose between Agr. Econ. 341 and Econ. 170.

SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

Agricultural Courses:	Hours
Horticulture 262--Tree and Small Fruit Culture (I)	3
Horticulture 307--Fruit Diseases (I)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 363--Advanced Pomology (I, alternate years)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I, alternate years)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Entomology 101--Agricultural Entomology (I, II)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

Agricultural Courses:	Hours
Horticulture 242--Vegetable Crops Production (II)	3
Horticulture 308--Vegetable and Canning Crops Diseases (I, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Entomology 101--Agricultural Entomology (I, II)	3

Other Courses:	
Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5

General Agriculture Curriculum with Major for Teachers of Vocational Agriculture (for the degree, Bachelor of Science in Agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100-General Botany	4	Chem. 111-General Chemistry	5
Hygiene 101-Health Lect., or Hygiene 104-Pers. & Comn. Hygiene	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	17 or 18

Second Year

Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Structures and Soil and Water Conservation	3
Educ. 101-The Nature of the Teaching Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	Two courses from Group I	6
Total	16	Total	17

Third Year

Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
		Hist. 152-History of U. S.	3
Agricultural Electives	3 to 6	Agricultural Electives	6
Total	15 to 18	Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276-Pract. in Agr. Ed.	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)[2]	11 to 17
Agr. Eng. 201-Farm Shop Work, or Da. Sci. 204-Dairy Production[1] or other Agr. Elective	2 or 3		
Educ. 211-Educ. Psych.	3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. 130

1/ Da. Sci. 204 offered second semester only.
2/ A total of six hours of humanities is necessary for certification.

Group 1--Courses in agriculture required of all students in the General Agriculture, Teacher Training Curriculum.

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics 1/	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture 1/	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Hort. elective	3
Total	22

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311-Psych. of Learning for Teachers	1/2	Two of the following courses:	
Educ. 312-Mental Hygiene and the School	1/2	Educ. 301-Philos. of Educ.	1/2
Electives	1	Educ. 302-Hist. of Am. Educ.	1/2
		Educ. 303-Comparative Educ.	1/2
		Educ. 304-Social Foundations of Education	1/2
		Electives	1
Total	4	Total	4

This fifth-year program is open only to students who have previously met the minimum requirement for teaching vocational agriculture under the Smith-Hughes and related acts. It is planned as a fifth year for students who have completed four years of college work fully equivalent to the General Curriculum in Agriculture with Major for Teachers of Vocational Agriculture.

Teachers planning to complete the requirements for this degree while employed should note the following regulations.

1. Four of the eight required units must be in Agriculture and must be selected with the approval of the adviser.

2. Not more than four units may be earned extramurally; of the credits earned extramurally, no more than two can be in Agriculture and no more than two can be in Education.

1/ Students entering as juniors or seniors should substitute Agr. Economics 230 for Agr. Economics 100 and Horticulture 242 or 262 for Horticulture 100.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR FOR TEACHERS OF VOCATIONAL AGRICULTURE--
For the Degree, Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible	Credit	Grade
Agr. Econ. 100	3	
Agr. Econ. 220	3	
Agr. Eng. 112	3	
Agr. Eng. 111	3	
Agron. 121	4	
Agron. 201	5	
An. Sci. 101	3	
An. Sci. 102	3	
Da. Sci. 100	3	
Hort. 100	3	
Forestry 101 or 102, or Hort. elective	3-2	
Total	35-36	

NON-AGRICULTURE PRESCRIBED:		
Botany 100	4	
Chemistry 101 or 102	5-3	
Chemistry 132	3	
Economics 108	3	
Geology 105	3	
Rhetoric 101	3	
Rhetoric 102	3	
Speech 101	3	
Zoology 104	4	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours	Credit	Grade

SOCIAL STUDIES PRESCRIBED:		
History 152	3	
Pol. Sci. 150	3	
HUMANITIES (Minimum of 6 hrs.)		
Psychol. 100	4	
Humanities (Art, music, lang., lit., psych., phil., religion)		
EDUCATION COURSES PRESCRIBED:		
Education 101	2	
Education 201	2	
Education 211	3	
Education 240	2	
Agr. Educ. 276	5	
Agr. Educ. 277	5	
OPEN ELECTIVES:		

Earned:

To be earned:

A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS

TOTAL HOURS EARNED:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

Agricultural Science Curriculum
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the General Agriculture Curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class, and those entering as transfers must have a scholastic average in their collegiate work of not less than 3.5 in terms of the grading system of the University of Illinois. Once enrolled, they must maintain an average of at least 3.5 to remain in the curriculum.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy, Religion)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 2/
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 1/	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 1/	16
Electives, Unrestricted	22	35
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

2/ Students in Option II must include at least 8 semester hours in Economics.

Agricultural Science Curriculum
Sample programs for first year

Option I

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chem. and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry1/	2
Math. 111 or 112-College Algebra1/	5 or 3	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Electives	3 to 6
Electives	0 to 5		
	15 to 18		15 to 18

Option II

First Semester	Hours	Second Semester	Hours
Math. 111 or 112-College Algebra or Math. 114-Plane Trigonometry	5, 3 or 2	Math. 114-Plane Trigonometry or Chem. 101-General Chem.	2 to 5
Hygiene 101-Health Lectures	2	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Botany 100-General Botany	4
Agr. Econ. 100-Introductory Agricultural Economics	3	Agriculture electives	3 to 4
Electives	0 to 3		
	15 to 18		15 to 17

Second, Third, and Fourth Years

The programs for the second, third, and fourth years must be planned in consultation with the student's faculty adviser.

Total required for graduation.....130

Students interested in combined programs of Agriculture and Agricultural Engineering should see pages 27-29. Those interested in combining Agriculture and Law should see pages 30-31.

1/ The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Date_____ Name_____
Option and field selected_____

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.
Option I--For students desiring preparation for graduate study or technical work in animal plant, or soil science.
Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	Credit	Grade
Rhet. 101	3	
Rhet. 102	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP II--Humanities (Art, music, lang., lit., philos., relig.) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

GROUP III--Social Sciences (Econ., geog. hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.*

GROUP IV--Biological Sciences (Bact.,bot., entom., physiol., zool.) Option I--Minimum of 10 hrs*; Option II--Minimum of 6 hrs.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs*; Option II--Minimum of 16 hrs.

Open Electives:

Total hours earned_____

* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.
Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P.E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.

Agricultural Science and Agricultural Engineering Curricula
5-Year Combined Programs
(for the degrees, Bachelor of Science in Agriculture and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters.

Students interested in the combined programs should enroll in the College of Agriculture for the first three years and then transfer to the College of Engineering for the fourth and fifth years. By the end of the third year, the student must choose between the "Power and Machinery Option" and the "Structures, Soil and Water Engineering Option." A semester-by-semester sequence of courses is shown on this and the following pages for combining Option I of the Agricultural Science Curriculum (see page 24) and the Agricultural Engineering Curriculum. Special attention is called to the requirement that students must rank in the upper half of their high school graduating class to enroll in the Agricultural Science Curriculum and must maintain a 3.5 average to remain in it.

First Year
(Enroll in College of Agriculture)

First Semester	Hours	Second Semester	Hours
Chem. 102 or 103-General Chem.	3 or 4	Chem. 104-Chemistry of Metallic Elements	4
Engr. 100-Engineering Lectures	0	G.E. 101-Engineering Drawing	3
Hygiene 101-Health Lectures	2	Math. 123-Analytical Geometry	5
Math. 111 or 112-Coll. Alg.1/	5 or 3	Rhet. 102-Rhetoric and Comp.	3
Math. 114-Plane Trig.1/	2	Physical Education	1
Rhet. 101-Rhetoric and Comp.	3	Military (men)	1
Physical Education	1		
Military (men)	1		
Total	15 to 18	Total	17

Second Year

Agr. Eng. 111-Farm Struc. and Soil and Water Cons.	3	Agr. Eng. 112-Tractors and Field Machinery	3
Botany 100-General Botany	4	Math. 142 or 143-Calculus	3 or 5
G.E. 102-Engineering Geometry	3	Physics 106-Mechanics	4
Math. 132 or 133-Calculus	5 or 3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Approved Elective2/	6 or 3
Total	15 to 17	Total	17 or 18

1/ Those students with 4 years of high school mathematics may take Math. 123 the first semester and follow the Common Program for Freshmen in the College of Engineering.

2/ See page 29 for a listing of approved electives.

Third Year

First Semester	Hours	Second Semester	Hours
Agronomy 121-Crop Production	4	Agr. Econ. 220-Farm Management	3
Econ. 108-Elements of Economics	3	Physics 108-Heat, Sound, Light	4
Geology 105-Agr. Geology	3	T.A.M. 156-Analytical Mechanics (Statics and Dynamics)	5
Physics 107-Electricity and Magnetism, Modern Physics	4	Approved Elective[1]	3
Approved Elective[1]	3		
Total	17	Total	15

POWER AND MACHINERY OPTION

Fourth Year
(Student may transfer to College of Engineering)

Agr. Eng. 231-Farm Machine Characteristics and Mechanisms	3	Agr. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	Agronomy 201-Soils	5
E.E. 207-DC and AC Circ. Lab.	1	M.E. 209-Thermodynamics	3
M.E. 221-Mech. of Machinery	5	M.E. 224-Design of Machine Elements	3
T.A.M. 221-Resistance of Materials	3	Approved Elective[1]	3
T.A.M. 223-Resistance of Materials Laboratory	1		
Total	16	Total	17

Fifth Year
(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 332-Design of Agricultural Machinery	3
Agr. Eng. 341-Farm Power	3	Agr. Eng. 393-Special Problems	3
M.E. 182-Manufacturing Processes	3	M.E. 234-Heat Treatment of Metals	3
M.E. 271-Design of Machine Elem.	3	Approved Electives[1]	6
Approved Electives[1]	6 or 7		
Total	15 or 16	Total	15

1/ See page 29 for a listing of approved electives.

STRUCTURES, SOIL AND WATER ENGINEERING OPTION

Fourth Year
(Student may transfer to College of Engineering)

First Semester	Hours	Second Semester	Hours
Agronomy 201-Soils	5	Agri. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	C.E. 115-General Surveying	3
E.E. 207-DC and AC Circ. Lab.	1	C.E. 235-Plain Concrete	2
T.A.M. 221-Resistance of Materials	3	C.E. 261-Structural Analysis	4
T.A.M. 223-Resistance of Materials Laboratory	1	T.A.M. 232-Fluid Mechanics	3
Approved Elective	3	T.A.M. 234-Fluid Mechanics Lab.	1
Total	16	Total	16

Fifth Year
(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 371-Advanced Farm Structures	3
Agr. Eng. 351-Hydraulics of Soil Conservation	3	Agr. Eng. 393-Special Problems	3
C.E. 262-Structural Analysis	3	C.E. 264-Structural Design	5
C.E. 263-Elem. Struc. Design	2	Approved Electives	3 to 5
C.E. 290-Contracts & Specif.	2		
M.E. 209-Thermodynamics	3		
Approved Elective	3		
Total	16	Total	14 to 16

Approved Electives must include the following:

(1) 6 hours biological science in addition to Botany 100 (zoology, entomology, botany, bacteriology, physiology)

(2) 6 hours humanities (art, music, language, literature, philosophy, religion)

(3) 3 hours social science in addition to Economics 108 (economics, geography, history, political science, psychology, sociology)

(4) 2 hours more in agriculture in Power and Machinery Option.
5 hours more in agriculture in Structures, Soil and Water Engineering Option.

(5) Sufficient open electives to total 160 hours.

Six-Year Program in Agriculture and Law

A plan exists between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under Option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, Option II (see page 24). Students following this program should ask to be assigned an adviser for the six-year program in agriculture and law.

SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM
(for the degree, Bachelor of Science in Agriculture)

(Six semesters in agriculture--six semesters in law)

A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	
		16

B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12
Agricultural Engineering 111	3
Agronomy 121 and 201	9
Animal Science 101, 102	6
Dairy Production 100	3
Horticulture 100	3

(Students interested in Agricultural Economics 200--Special Problems in Agricultural Law, should consult with their adviser.)

C. Suggested courses to meet requirements of 44 hours from Groups II thru V (Mimimum of 6 hours in Groups II and IV: minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 102 or 104	3 to 4	
Humanities electives	2 to 3	
		6

SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM--Continued

Group III Courses		
Economics 108, 109, and 250 (8 hours required)	9	
Political Science 150	3	
Psychology 100	4	
		16
Group IV Courses - two of the following		
Zoology 104, or Botany 100, or		
Entomology 101		
		7 or 8
Group V Courses		
Chemistry 101 or 111, and 132		
Geology 101 or 105, and 140		
Math. Electives		
Physics 101 and 102		16
D. Suggested Electives		
Speech 101	3	
Accountancy 201	3	
		6

Total hours in three years	103
Law courses to complete requirement for degree	27
Total Required for Degree in Agriculture	130

Note: The 103 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.

Dairy Technology Curriculum
(for the degree, Bachelor of Science in Dairy Technology)

First Year

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in diary technology are expected to take an inspection trip either in the junior or senior year. This trip costs about $35.

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-Gen. Chem.	5 or 3	Chem. 105-Inorg. Chem. and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Intro. Da. Prod.	3
Math. 111 or 112-Coll. Alg.	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	13 to 17	Total	15

Second Year

Bact. 104-Elementary Bact.	5	Chem. 122-Elem. Quan. Analysis	5
Da. Tech. 101-Intro. Da. Tech.	3	Da. Sci. 150-Gen. Da. Bact.	2
Econ. 108-Elements of Economics	3	Da. Sci. 151-Gen. Da. Bact.	3
Physical Education	1	Da. Tech. 102-Quality Evaluation of Dairy Products	3
Military (men)	1	Physical Education	1
Electives	3	Military (men)	1
		Electives	2 or 3
Total	16	Total	17 or 18

Third Year

Chem. 133-Elem. Org. Chem.	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Mfr.	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	2 or 3	Total	17
Total	18 or 19		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total required for graduation. 130

Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours is required in courses offered by the College of Agriculture in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

Suggested Group I electives:	Hours
Agr. Econ. 334--Marketing Dairy Products (II)	3
An. Sci. 105--Animal Hygiene (I)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Da. Tech. 308--Plant Management (II)	3
Home Econ. 120--Elementary Nutrition (I, II)	2

Group II: A minimum of 12 hours to be selected from art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

Suggested Group II electives:	
Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

Suggested Open electives:	
Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	3

UNIVERSITY OF ILLINOIS
Curriculum in DAIRY TECHNOLOGY

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

Prescribed Courses	Hours	Grade
Accy. 201	3	
Bact. 104	5	
Chem. 101 or 102	5-3	
Chem. 105	5	
Chem. 122	5	
Chem. 133	5	
Da. Sci. 100	3	
Da. Sci. 150	2	
Da. Sci. 151	3	
Da. Tech. 101	3	
Da. Tech. 102	3	
Da. Tech. 301	3	
Da. Tech. 302	3	
Da. Tech. 303	3	
Da. Tech. 304	3	
Da. Tech. 306	3	
Econ. 108	3	
Math. 111 or 112	5 - 3	
Math. 114	2	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
Physics 101	5	
Physics 102	5	
Rhetoric 101	3	
Rhetoric 102	3	

Group I--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.

Hours	Grade

Group I Hours earned: _____

Hours to be earned:

Group II--Minimum of 12 hours selected from Art., Econ., For. Lang., Geog., Hist., Journ., Land. Arch., Law, Lit., Music, Philos., Pol. Sci., Psych., Religion, Sociol., Speech.

Hours	Grade

Group II Earned:

Hours to be earned:

Open Electives

Hours	Grade

TOTAL HOURS EARNED:

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.
A minimum average of 3.0 is required for graduation.

Floriculture Curriculum
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about $30. Students contemplating graduate work in floriculture should register for the Chemistry 101 (102), Chemistry 105 and Chemistry 133 sequence, rather than the Chemistry 101 (102) or 111 and Chemistry 132 sequence.

First Year

First Semester	Hours		Hours
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry1/	3
Chem. 101, 102 or 111-General Chemistry1/	5 or 3	Entom. 101--Agricultural Entomology	3
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	5 to 7
Military (men)	1		
Total	17 to 19	Total	16 to 18

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory Systematic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Floricultural Crops	3	Hort. 224-Commercial Floricultural Crops	3
Hort. 317-Plant Pathology	4	Hort. 230-Garden Flowers2/	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 5	Electives	3 to 6
Total	16 to 18	Total	15 to 18

1/ See next page.
2/ See next page.

Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants 2/	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

1/ Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 101 and 133 instead of Chem. 111 and 132.
2/ Given in alternate years only.

Group II--A minimum of four hours to be selected from anthropology, art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	Hours
Accy. 106-Elementary Cost Accounting (I, II)	3
Accy. 108-Intermediate Accounting (I,II)	3
Agr. 114-Agricultural Journalism (I, II)	3
Agron. 306-Fertilizers and Their Soil Reactions (I)	3
Art 185, 186-Design (I, II)	2-4
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Econ. 250-Money, Credit, and Banking (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 110-Plant and Animal Genetics (I, II)	3
Hort. 201-Special Problems (I, II)	3-5
Hort. 242-Vegetable Crops Production (II)	3
Hort. 262-Tree and Small Fruit Culture (I)	3
Hort. 333-Marketing Horticulture Products (I)	3
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort. 382-Improvement of Horticulture Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 211-Principles of Retailing (I, II)	3
Marketing 271-Salesmanship (I,II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	3

UNIVERSITY OF ILLINOIS
Curriculum in FLORICULTURE

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____

Date _____

Prescribed Courses	CREDIT	GRADE
Accy. 101	3	
Accy. 105	3	
Agron. 201	5	
Bot. 100	4	
Bot. 130	5	
Bot. 160	3	
Chem. 101, 102 or 111	5-3	
Chem. 132	3	
Econ. 108	3	
Entom. 101	3	
Geol. 105	3	
Hort. 121	3	
Hort. 122	3	
Hort. 223	3	
Hort. 224	3	
Hort. 226	3	
Hort. 230	3	
Hort. 231	3	
Hort. 232	3	
Hort. 317	4	
Hort. 321	3	
Hort. 322	3	
L. Arch. 164	3	
L. Arch. 251	3	
L. Arch. 252	3	
Rhet. 101	3	
Rhet. 102	3	
Hyg.	2	
Mil.	1	
Mil.	1	
Mil.	1	
Mil.	1	
P. E.	1-1	
P. E.	1-1	

Group II	CREDIT	GRADE
Minimum 4 hours selected from: anthro., art, econ, for. lang., geog., hist., journ., land. arch., law, lit., music, phil., pol. sci., psych., religion, soc., and speech		

Open Electives	CREDIT	GRADE

SUMMARY

Earned:

To be earned:

TOTAL HOURS EARNED:

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.
A minimum average of 3.0 is required for graduation.

Food Technology Curriculum
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food-processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food-processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is $35.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101 or 102-Gen. Chem.	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	D.G.S. 112-Verbal Communication	4
Math. 117-Combined Freshman Mathematics[1]	5	Math. 127-Combined Freshman Mathematics[1]	4
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Total	14 or 16	Total	17

Second Year

Chem. 122-Elem. Quan. Analysis	5	Chem. 133-Elem. Org. Chem.	5
Math. 137-Calculus[2]	3	Math. 147-Calculus[2]	3
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Physics 102-Gen. Physics (Light, Elec., and Magn.)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	3
Total	17	Total	16

Third Year

Bact. 104-Elem. Bact.	5	Bact. 308-Food and Industrial Microbiology	5
Chem. 347-Elem. Phys. Chem.[3]	4	Chem. 249-Chemistry of Colloids[3]	3
F. T. 201-Elem. of Food Tech.	3	F. T. 202-Elements of Food Technology	3
F. T. 260-Raw Materials for Processing	4	Electives	6
Electives	0 to 3	Total	17
Total	16 to 19		

1/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

2/ Students who follow the algebra, trigonometry, analytic geometry sequence will take Math. 132 and 142-Calculus.

3/ Students adequately qualified may substitute Chem. 240 and 342-Elementary Physical Chemistry, for Chem. 347 and 249.

Fourth Year

First Semester	Hours	Second Semester	Hours
Chem. 350-Biochemistry	3	Chem. 329-Food Analysis	5
Chem. 354 or 355-Biochem. Lab.	2 or 3	F. T. 206-Inspection Trip	0
F. T. 301-Food Processing	4	F. T. 302-Food Processing	4
F. T. 363-Intro. to Process Engr.	3	F. T. 332-Principles of Sanitation in the Processing and Handling of Foods	2
Electives	3 or 4	Electives	5
Total	16	Total	16

Humanities and Social Studies Electives

A minimum of 15 hours must be selected from courses in anthropology, art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). 130

A minimum average of 3.0 is required for graduation.

COLLEGE OF AGRICULTURE
Office of Associate Dean

Name _____
Date _____

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:	Credit	Grade
Bact. 104	5	
Bact. 308	5	
Botany 100	4	
Chem. 101 or 102	5-3	
Chem. 105	5	
Chem. 122	5	
Chem. 133	5	
Chem. 347 1/	4	
Chem. 249 1/	3	
Chem. 329	5	
Chem. 350	3	
Chem. 354 or 355	2-3	
D. G. S. 111	4	
D. G. S. 112	4	
F. T. 201	3	
F. T. 202	3	
F. T. 206	0	
F. T. 260	4	
F. T. 301	4	
F. T. 302	4	
F. T. 332	2	
F. T. 363	3	
Mathematics 117 2/	5	
Mathematics 127	4	
Mathematics 137	3	
Mathematics 147	3	
Physics 101	5	
Physics 102	5	
Hygiene	2	
Military	1-1	
Military	1-1	
P. E.	1-1	
P. E.	1-1	

HUMANITIES AND SOCIAL STUDIES--
Minimum of 15 semester hours from: anthropology, art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, and speech.

OPEN ELECTIVES:

Earned:

To be earned:

TOTAL HOURS

1/ Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 347 and 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree.
A minimum average of 3.0 is required for graduation.

CURRICULUM IN RESTAURANT MANAGEMENT
(For the degree of Bachelor of Science in Restaurant Management)

The curriculum in restaurant management prepares students (both men and women) for managerial positions in restaurants and other commercial food service units. It also gives them basic training for purchasing agents, kitchen equipment and lay-out specialists, food inspectors and for other allied occupations.

First Year

First Semester	Hours	Second Semester	Hours
HE 130--Introd. to Foods & Nutrition	2	Chem. 132--Elem. Organic Chem.	3
Chem. 101 or 102--Gen. Chem.	5 or 3	Rhet. 102--Rhet. & Composition	3
Rhet. 101--Rhet. & Composition	3	Speech 101--Principles of Effective Speaking	3
Hyg. 101--Health Lectures	2	Phys. 103--Introd. to Human Physiology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Elective	2-3	Elective	2-3
	16-15		17-18

Second Year

HE 131--Foods	3	Bact. 104--Elem. Bact.	5
Psych. 103--Human Behavior	4	Rhet. 151--Bus. Letter Writing	2
Soc. 100--Principles of Soc.	3	Econ. 108--Elements of Econ.	3
English Literature	3	English Literature	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Elective	2-3	Electives	2-3
	17-18		17-18

Third Year

Mktg. 101--Principles of Mktg.	3	HE 220--Dietetics	3
An. Sci. 104--Selec. & Use of Meats	2	HE 240--Quantity Cookery	5
Econ. 240--Labor Problems	3	Econ. 248--Personnel Admin.	3
Bus. Law 261--Sum. of Bus. Law	3	Accy. 105--Accting. Procedure 1/ or Elective	3
Accy. 101--Principles of Accting. 1/	3	Elective	3-4
Elective 2/	2-3		17-18
	16-17		

Fourth Year

HE 345--Institution Mgmt.	3	HE 253--Restaurant Interiors	3
HE 350--Inst. Diet. & Admin.	4	HE 355--Adv. Quan. Cook & Catering	3
Accy. 265--Hotel Accounting	3	Mgmt. 204--Indus. Purchasing	3
Electives	6-8	Electives	6-9
	16-18		15-18

NOTE: Two summers of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in HE 355. This experience would normally come at the end of the second and third years.

1/ Students may take Accy. 201 in place of Accy. 101 and 105.
2/ Suggested electives: HE 232, Mgt. 101.

CHECK SHEET
for degree, B.S. in Restaurant Management

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE
Office of Associate Dean

NAME _____
DATE _____

PRESCRIBED COURSES	CREDIT	GRADE	PRESCRIBED	CREDIT	GRADE
Accy. 101 & 105	3-3		Rhet. 101	3	
or Accy. 201	3		Rhet. 102	3	
Accy. 265	3		Rhet. 151	3	
Animal Sci. 104	2				
			Soc. 100	3	
Bact. 104	5				
			Speech 101	3	
Bus. Law 261	3				
			*Summer Practice 1	0	
Chem. 101 or 102	5-3		*Summer Practice 2	0	
Chem. 132	3				
			OPEN ELECTIVES:		
Econ. 108	3				
Econ. 240	3				
Econ. 248	3				
Engl. Lit.(total of	3-4				
Engl. Lit.(6 hours	3-2				
Home Econ. 130	2				
Home Econ. 131	3				
Home Econ. 220	3				
Home Econ. 240	5				
Home Econ. 253	3				
Home Econ. 345	3				
Home Econ. 350	4				
*Home Econ. 355	3				
Hygiene 101	2				
Management 204	3				
Marketing 101	3				
Military (for men)	1-1				
Military (for men)	1-1				
			AVERAGE (Minimum of 3.0 required for graduation)	TOTAL HOURS (130 hours, including PE and Mil.)	
P. E. M. or P. E. W.	1-1				
P. E. M. or P. E. W.	1-1				
Physiol. 103	4				
Psych. 103	4				

*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and **must** be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.

Preforestry Two-Year Curriculum

The object of the two-year Preforestry Curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The Preforestry Curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the Preforestry Curriculum requires a minimum of 60 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept out-of-state students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare his intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

First Year

First Semester	Hours	Second Semester	Hours
Botany 100-General Botany	4	Chem. 101 or 102-Gen. Chem.	5 or 3
Forestry 101-General Forestry	3	G. E. 101-Engineering Drawing	3
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	17 or 19	Total	17 or 19

Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
Total	16 to 18	Total	18

Electives

Bot. 130-Plant Physiology (I)	5
Bot. 160-Introductory Systematic Botany (I or II)	3
Chem. 132-Elementary Organic Chemistry (I,II)	3
Geog. 111-Introduction to Meteorology (I, II)	3
Physics 101-Gen. Physics (Mechanics, Heat, and Sound) (I)	5
Physics 102-Gen. Physics (Light, Elec., and Magnetism) (II)	5
Pol. Sci. 150-American Government: Org. and Powers (I,II)	3
Speech 101-Principles of Effective Speaking (I,II)	3